

## Settings

Group / Parameter Name	IED Value [SG1/Commoco... n]	PC Value [SG1/Commoco... n]	Unit	Min	Max
AA1C1Q01KF1					
IED Configuration					
HW Configuration					
BIM_3					
Operation	On				
DebounceTime	0.001	s	0.001	0.020	
OscBlock	40	Hz	1	40	
OscRelease	30	Hz	1	30	
BOM_4					
Operation	On				
BIM_5					
Operation	On				
DebounceTime	0.001	s	0.001	0.020	
OscBlock	40	Hz	1	40	
OscRelease	30	Hz	1	30	
BOM_6					
Operation	On				
BIM_7					
Operation	On				
DebounceTime	0.001	s	0.001	0.020	
OscBlock	40	Hz	1	40	
OscRelease	30	Hz	1	30	
BIM_8					
Operation	On				
DebounceTime	0.001	s	0.001	0.020	
OscBlock	40	Hz	1	40	
OscRelease	30	Hz	1	30	
BIM_9					
Operation	On				
DebounceTime	0.001	s	0.001	0.020	
OscBlock	40	Hz	1	40	
OscRelease	30	Hz	1	30	
IOM_10					
Operation	On				
DebounceTime	0.001	s	0.001	0.020	
OscBlock	40	Hz	1	40	
OscRelease	30	Hz	1	30	
TRM_40					
NAMECH1	GT CT IL1			16 characters	
ChannelType1	CurrentProtecti... on				
RatedTrans1	1.0	A	0.1	300.0	
CTStarPoint1	ToObject				

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
CTsec1		1	A	1	10	
CTprim1		2500	A	1	99999	
NAMECH2		GT CT IL2		16 characters		
ChannelType2		CurrentProtecti on				
RatedTrans2		1.0	A	0.1	300.0	
CTStarPoint2		ToObject				
CTsec2		1	A	1	10	
CTprim2		2500	A	1	99999	
NAMECH3		GT CT IL3		16 characters		
ChannelType3		CurrentProtecti on				
RatedTrans3		1.0	A	0.1	300.0	
CTStarPoint3		ToObject				
CTsec3		1	A	1	10	
CTprim3		2500	A	1	99999	
NAMECH4		GT CT ILN		16 characters		
ChannelType4		CurrentProtecti on				
RatedTrans4		1.0	A	0.1	300.0	
CTStarPoint4		ToObject				
CTsec4		1	A	1	10	
CTprim4		2500	A	1	99999	
NAMECH5		CH5(I)		16 characters		
ChannelType5		CurrentProtecti on				
RatedTrans5		1.0	A	0.1	300.0	
CTStarPoint5		ToObject				
CTsec5		1	A	1	10	
CTprim5		1250	A	1	99999	
NAMECH6		CH6(I)		16 characters		
ChannelType6		CurrentProtecti on				
RatedTrans6		1.0	A	0.1	300.0	
CTStarPoint6		ToObject				
CTsec6		1	A	1	10	
CTprim6		1250	A	1	99999	
NAMECH7		GT VT UL1		16 characters		
ChannelType7		Voltage				
RatedTrans7		110.0	V	0.1	300.0	
VTsec7		110.000	V	0.001	999.999	
VTprim7		400.00	kV	0.05	2000.00	
NAMECH8		GT VT UL2		16 characters		
ChannelType8		Voltage				
RatedTrans8		110.0	V	0.1	300.0	

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max				
VTsec8		110.000		V	0.001	999.999				
VTprim8		400.00		kV	0.05	2000.00				
NAMECH9		GT VT UL3		16 characters						
ChannelType9		Voltage								
RatedTrans9		110.0		V	0.1	300.0				
VTsec9		110.000		V	0.001	999.999				
VTprim9		400.00		kV	0.05	2000.00				
NAMECH10		BUS1 VT_R		16 characters						
ChannelType10		Voltage								
RatedTrans10		110.0		V	0.1	300.0				
VTsec10		110.000		V	0.001	999.999				
VTprim10		400.00		kV	0.05	2000.00				
NAMECH11		BUS1 VT_Y		16 characters						
ChannelType11		Voltage								
RatedTrans11		110.0		V	0.1	300.0				
VTsec11		110.000		V	0.001	999.999				
VTprim11		400.00		kV	0.05	2000.00				
NAMECH12		BUS1 VT_B		16 characters						
ChannelType12		Voltage								
RatedTrans12		110.0		V	0.1	300.0				
VTsec12		110.000		V	0.001	999.999				
VTprim12		400.00		kV	0.05	2000.00				
Activate setting group										
SETGRPS: 1										
ActiveSetGrp		SettingGroup1								
MaxNoSetGrp		1		1		6				
Time										
System time										
SYSTEMTIME: 1										
SystemTime		9/8/2023 12:27:09 PM								
DSTBEGIN: 1										
MonthInYear		March								
DayInWeek		Sunday								
WeekInMonth		Last								
UTCTimeOfDay		1:00								
DSTEND: 1										
MonthInYear		October								
DayInWeek		Sunday								
WeekInMonth		Last								
UTCTimeOfDay		1:00								
DSTENABLE: 1										
DST Enable		Off								
TIMEZONE: 1										

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Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
TimeZone			5:30			
Synchronisation						
TIMESYNCHGEN: 1						
General						
CoarseSyncSrc			Off			
FineSyncSource			SNTP			
SyncMaster			Off			
TimeAdjustRate			Fast			
IEC61850-9-2						
HWSyncSrc			Off			
SyncLostMode			NoBlock			
SyncAccLevel			Unspecified			
BININPUT: 1						
ModulePosition		3		3	16	
BinaryInput		1		1	16	
BinDetection			PositiveEdge			
IRIG-B: 1						
SynchType			Opto			
TimeDomain			LocalTime			
Encoding			IRIG-B			
TimeZoneAs1344			PlusTZ			
SNTP: 1						
ServerIP-Add		10.154.99.10				
RedServIP-Add		10.154.99.100				
LocalPort		49152		0	65535	
PTP: 1						
Domain		0		0	255	
Priority1		128		0	255	
Priority2		128		0	255	
Power system						
Primary values						
PRIMVAL: 1						
FrequencySel		50Hz				
PhaseRotation		Normal=L1L2L				
3						
Global base values						
GBASVAL: 1						
UBase		400.00	kV	0.05	2000.00	
IBase		2500	A	1	99999	
SBase		1732.00	MVA	1.00	200000.00	
GBASVAL: 2						
UBase		400.00	kV	0.05	2000.00	
IBase		2500	A	1	99999	
SBase		1732.00	MVA	1.00	200000.00	

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GBASVAL: 3						
UBase		400.00	kV	0.05	2000.00	
IBase		2500	A	1	99999	
SBase		1732.00	MVA	1.00	200000.00	
GBASVAL: 4						
UBase		400.00	kV	0.05	2000.00	
IBase		2500	A	1	99999	
SBase		1732.00	MVA	1.00	200000.00	
GBASVAL: 5						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 6						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 7						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 8						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 9						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 10						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 11						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
GBASVAL: 12						
UBase		400.00	kV	0.05	2000.00	
IBase		1250	A	1	99999	
SBase		866.00	MVA	1.00	200000.00	
Identifiers						
TERMINALID: 1						
StationName		REGL			18 characters	
StationNumber		0		0		99999

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
ObjectName		401-BCU		18 characters		
ObjectNumber		0		0		99999
UnitName		GT BCU		18 characters		
UnitNumber		0		0		99999
IEDMainFunType		242		0		255
Communication						
Cyber security						
ACTIVLOG: 1						
ExtLogSrv1Type		Off				
ExtLogSrv1Port		514		1		65535
ExtLogSrv1IP		127.0.0.1				
ExtLogSrv2Type		Off				
ExtLogSrv2Port		514		1		65535
ExtLogSrv2IP		127.0.0.1				
ExtLogSrv3Type		Off				
ExtLogSrv3Port		514		1		65535
ExtLogSrv3IP		127.0.0.1				
ExtLogSrv4Type		Off				
ExtLogSrv4Port		514		1		65535
ExtLogSrv4IP		127.0.0.1				
ExtLogSrv5Type		Off				
ExtLogSrv5Port		514		1		65535
ExtLogSrv5IP		127.0.0.1				
ExtLogSrv6Type		Off				
ExtLogSrv6Port		514		1		65535
ExtLogSrv6IP		127.0.0.1				
AUTHMAN: 1						
MaintMenuEnable		Enable				
AuthTimeout		600		s	600	3600
FSTACCS: 1						
Operation		Off				
FTPACCS: 1						
SSLMode		FTPS				
TCPPortFTP		21		1		65535
PasvPortStart		49200		0		65515
PasvPortEnd		49232		0		65535
Ethernet configuration						
DHCP: 1						
DHCPServer		Off				
Station communication						
DNP3.0						
General						
DNPGEN: 1						
Operation		Off				

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Serial						
CHSEROPT: 1						
DLinkConfirm		Never				
tDLinkTimeout		2.000	s	0.000	60.000	
DLinkRetries		3		0	255	
tRxToTxMinDel		0.000	s	0.000	60.000	
ApLayMaxRxSize		2048		20	2048	
ApLayMaxTxSize		2048		20	2048	
BaudRate		9600 Bd				
StopBits		1		1	2	
Parity		Even				
CHSERRS485: 1						
DLinkConfirm		Never				
tDLinkTimeout		2.000	s	0.000	60.000	
DLinkRetries		3		0	255	
tRxToTxMinDel		0.000	s	0.000	60.000	
ApLayMaxRxSize		2048		20	2048	
ApLayMaxTxSize		2048		20	2048	
BaudRate		9600 Bd				
StopBits		1		1	2	
Parity		Even				
tRTSWarmUp		0.000	s	0.000	60.000	
tRTSWarmDown		0.000	s	0.000	60.000	
tBackOffDelay		0.050	s	0.000	60.000	
tMaxRndDelBkOf		0.100	s	0.000	60.000	
MSTSER: 1						
Operation		Off				
ChToAssociate		RS485				
SlaveAddress		1		0	65519	
MasterAddress		1		0	65519	
ValMasterAddr		Yes				
AddrQueryEnbl		Yes				
tApplConfTout		10.00	s	0.00	300.00	
ApplMultFrgRes		Yes				
ConfMultFrag		Yes				
UREnable		Yes				
UREvClassMask		Off				
UROfflineRetry		5		0	10	
tURRetryDelay		5.00	s	0.00	60.00	
tUROfflRtryDel		30.00	s	0.00	60.00	
UREvCntThold1		5		1	100	
tUREvBufTout1		5.00	s	0.00	60.00	
UREvCntThold2		5		1	100	
tUREvBufTout2		5.00	s	0.00	60.00	

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
UREvCntThold3		5		1		100
tUREvBufTout3		5.00		s		0.00
DelOldBufFull		No				
ExtTimeFormat		UTC				
DNPToSetTime		Yes				
tSynchTimeout		1800		s		30
TSyncReqAfTout		No				
Averag3TimeReq		No				
Obj1DefVar		1:BI				
Obj2DefVar		3:BIEv+RelTim e				
Obj3DefVar		1:DI				
Obj4DefVar		3:DIEv+RelTim e				
Obj10DefVar		2:BO+Flags				
Obj20DefVar		5:CNT32				
Obj22DefVar		1:CNTEv32				
Obj30DefVar		3:AI32Int				
Obj32DefVar		1:AIev32Int				
PairedPoint		Yes				
tSelectTimeout		30.0		s		1.0
TCP						
CH1TCP: 1						
Operation		Off				
ApLayMaxRxSize		2048		20		2048
ApLayMaxTxSize		2048		20		2048
TCPIPLisPort		20000		1		65535
UDPPortAccData		20000		1		65535
UDPPortInitNUL		20000		1		65535
UDPPortCliMast		0		0		65535
CH2TCP: 2						
Operation		Off				
ApLayMaxRxSize		2048		20		2048
ApLayMaxTxSize		2048		20		2048
TCPIPLisPort		20000		1		65535
UDPPortAccData		20000		1		65535
UDPPortInitNUL		20000		1		65535
UDPPortCliMast		0		0		65535
CH3TCP: 3						
Operation		Off				
ApLayMaxRxSize		2048		20		2048
ApLayMaxTxSize		2048		20		2048
TCPIPLisPort		20000		1		65535
UDPPortAccData		20000		1		65535
UDPPortInitNUL		20000		1		65535

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UDPPortCliMast			0		0	65535
CH4TCP: 4						
Operation			Off			
ApLayMaxRxSize			2048		20	2048
ApLayMaxTxSize			2048		20	2048
TCPPIPLisPort			20000		1	65535
UDPPortAccData			20000		1	65535
UDPPortInitNUL			20000		1	65535
UDPPortCliMast			0		0	65535
MST1TCP: 1						
Operation			Off			
SlaveAddress			1		0	65519
MasterAddress			1		0	65519
ValMasterAddr			Yes			
AddrQueryEnbl			Yes			
tApplConfTout		10.00	s	0.00	300.00	
ApplMultFrgRes		Yes				
ConfMultFrag		Yes				
UREnable		Yes				
UREvClassMask		Off				
UROfflineRetry		5		0	10	
tURRetryDelay		5.00	s	0.00	60.00	
tUROfflRtryDel		30.00	s	0.00	60.00	
UREvCntThold1		5		1	100	
tUREvBufTout1		5.00	s	0.00	60.00	
UREvCntThold2		5		1	100	
tUREvBufTout2		5.00	s	0.00	60.00	
UREvCntThold3		5		1	100	
tUREvBufTout3		5.00	s	0.00	60.00	
DelOldBufFull		No				
ExtTimeFormat		UTC				
DNPToSetTime		No				
tSynchTimeout		1800	s	30	3600	
TSyncReqAfTout		No				
Averag3TimeReq		No				
MasterIP-Addr		0.0.0.0				
MasterIPNetMsk		255.255.255.2 55				
Obj1DefVar		1:BI				
Obj2DefVar			3:BIEv+RelTim e			
Obj3DefVar		1:DI				
Obj4DefVar			3:DIEv+RelTim e			
Obj10DefVar		2:BO+Flags				

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Obj20DefVar		5:_CNT32				
Obj22DefVar		1:CNTEv32				
Obj30DefVar		3:AI32Int				
Obj32DefVar		1:AIev32Int				
PairedPoint		Yes				
tSelectTimeout		30.0	s	1.0	60.0	
tBrokenConTout		0	s	0	3600	
tKeepAliveT		10	s	0	3600	
MST2TCP: 2						
Operation		Off				
SlaveAddress		1		0		65519
MasterAddress		1		0		65519
ValMasterAddr		Yes				
AddrQueryEnbl		Yes				
tApplConfTout		10.00	s	0.00	300.00	
ApplMultFrgRes		Yes				
ConfMultFrag		Yes				
UREnable		Yes				
UREvClassMask		Off				
UROfflineRetry		5		0		10
tURRetryDelay		5.00	s	0.00	60.00	
tUROfflRtryDel		30.00	s	0.00	60.00	
UREvCntThold1		5		1	100	
tUREvBufTout1		5.00	s	0.00	60.00	
UREvCntThold2		5		1	100	
tUREvBufTout2		5.00	s	0.00	60.00	
UREvCntThold3		5		1	100	
tUREvBufTout3		5.00	s	0.00	60.00	
DelOldBufFull		No				
ExtTimeFormat		UTC				
DNPToSetTime		No				
tSynchTimeout		1800	s	30	3600	
TSyncReqAfTout		No				
Averag3TimeReq		No				
MasterIP-Addr		0.0.0.0				
MasterIPNetMsk		255.255.255.2 55				
Obj1DefVar		1:BI				
Obj2DefVar		3:BIev+RelTim e				
Obj3DefVar		1:DI				
Obj4DefVar		3:DIev+RelTim e				
Obj10DefVar		2:BO+Flags				
Obj20DefVar		5:_CNT32				

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Obj22DefVar			1:CNTEv32			
Obj30DefVar			3:AI32Int			
Obj32DefVar			1:AIEv32Int			
PairedPoint			Yes			
tSelectTimeout		30.0	s	1.0	60.0	
tBrokenConTout		0	s	0	3600	
tKeepAliveT		10	s	0	3600	
MST3TCP: 3						
Operation		Off				
SlaveAddress		1		0	65519	
MasterAddress		1		0	65519	
ValMasterAddr		Yes				
AddrQueryEnbl		Yes				
tApplConfTout		10.00	s	0.00	300.00	
ApplMultFrgRes		Yes				
ConfMultFrag		Yes				
UREnable		Yes				
UREvClassMask		Off				
UROfflineRetry		5		0	10	
tURRetryDelay		5.00	s	0.00	60.00	
tUROfflRtryDel		30.00	s	0.00	60.00	
UREvCntThold1		5		1	100	
tUREvBufTout1		5.00	s	0.00	60.00	
UREvCntThold2		5		1	100	
tUREvBufTout2		5.00	s	0.00	60.00	
UREvCntThold3		5		1	100	
tUREvBufTout3		5.00	s	0.00	60.00	
DelOldBufFull		No				
ExtTimeFormat		UTC				
DNPToSetTime		No				
tSynchTimeout		1800	s	30	3600	
TSyncReqAfTout		No				
Averag3TimeReq		No				
MasterIP-Addr		0.0.0.0				
MasterIPNetMsk		255.255.255.2 55				
Obj1DefVar		1:BI				
Obj2DefVar		3:BIEv+RelTim e				
Obj3DefVar		1:DI				
Obj4DefVar		3:DIEv+RelTim e				
Obj10DefVar		2:BO+Flags				
Obj20DefVar		5:CNT32				
Obj22DefVar		1:CNTEv32				

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Obj30DefVar			3:AI32Int			
Obj32DefVar			1:AIEv32Int			
PairedPoint			Yes			
tSelectTimeout		30.0	s	1.0	60.0	
tBrokenConTout		0	s	0	3600	
tKeepAliveT		10	s	0	3600	
MST4TCP: 4						
Operation		Off				
SlaveAddress		1		0	65519	
MasterAddress		1		0	65519	
ValMasterAddr		Yes				
AddrQueryEnbl		Yes				
tApplConfTout		10.00	s	0.00	300.00	
ApplMultFrgRes		Yes				
ConfMultFrag		Yes				
UREnable		Yes				
UREvClassMask		Off				
UROfflineRetry		5		0	10	
tURRetryDelay		5.00	s	0.00	60.00	
tUROfflRtryDel		30.00	s	0.00	60.00	
UREvCntThold1		5		1	100	
tUREvBufTout1		5.00	s	0.00	60.00	
UREvCntThold2		5		1	100	
tUREvBufTout2		5.00	s	0.00	60.00	
UREvCntThold3		5		1	100	
tUREvBufTout3		5.00	s	0.00	60.00	
DelOldBufFull		No				
ExtTimeFormat		UTC				
DNPToSetTime		No				
tSynchTimeout		1800	s	30	3600	
TSyncReqAftTout		No				
Averag3TimeReq		No				
MasterIP-Addr		0.0.0.0				
MasterIPNetMsk		255.255.255.2 55				
Obj1DefVar		1:BI				
Obj2DefVar		3:BIEv+RelTim e				
Obj3DefVar		1:DI				
Obj4DefVar		3:DIEv+RelTim e				
Obj10DefVar		2:BO+Flags				
Obj20DefVar		5:CNT32				
Obj22DefVar		1:CNTEv32				
Obj30DefVar		3:AI32Int				

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Obj32DefVar			1:AIEv32Int			
PairedPoint			Yes			
tSelectTimeout		30.0	s	1.0	60.0	
tBrokenConTout		0	s	0	3600	
tKeepAliveT		10	s	0	3600	
IEC60870-5-103						
OPTICAL103: 1						
SlaveAddress		1		1	254	
BaudRate		9600 Bd				
RevPolarity		On				
CycMeasRepTime		5.0	s	1.0	1800.0	
MasterTimeDomain		UTC				
TimeSyncMode		IEDTime				
EvalTimeAccuracy		5ms				
EventRepMode		SeqOfEvent				
CmdMode		SingleCmd				
RepIntermediatePos		On				
RS485103: 1						
SlaveAddress		1		1	254	
BaudRate		9600 Bd				
CycMeasRepTime		5.0	s	1.0	1800.0	
MasterTimeDomain		UTC				
TimeSyncMode		IEDTime				
EvalTimeAccuracy		5ms				
EventRepMode		SeqOfEvent				
CmdMode		SingleCmd				
RepIntermediatePos		On				
IEC61850-8-1						
GOOSEVCTRCONF: 1						
SendOperation		On				
SendInterval		0.3	s	0.1	5.0	
ReceiveOperation		On				
ReceiveInterval		0.8	s	0.1	10.0	
IEC61850-8-1: 1						
Operation		On				
ProtocolEdition		Ed 2				
GOOSEPortEd1		AP_1				
RemModControl		Off				
IEC61850CustomModel		Disabled				
RemSetControlEd2		Disabled				
ResvTmsEd2		60	s	1	3600	
IEC61850 simulation mode						
IEC61850SIM: 1						
AllowSimulation		No				

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Group / Parameter Name		IED Value [SG1/Commoco... n]	PC Value [SG1/Commoco... n]	Unit	Min	Max
Port configuration						
RS485 port						
RS485GEN: 1						
WireMode		Four-wire				
RS485PROT: 1						
ProtocolSel		Off				
SLM Rear optical LON port						
LONGEN: 1						
SubNetAddr		-1		-1	255	
NodeAddr		-1		-1	255	
NeuronID						18 characters
SLM Rear optical serial port						
PROTOCOL: 1						
ProtocolSel		Off				
LON						
ADE: 1						
Operation		Off				
TimerClass		Slow				
TimeDomain		Local with DST				
HORZCOMM: 1						
Operation		Off				
LONSPA: 4						
Operation		Off				
SlaveAddress		30		1	899	
SPA						
SPA: 1						
SlaveAddress		30		1	899	
BaudRate		9600 Bd				
Analog modules						
Reference channel service values						
AISVBAS: 1						
PhaseAngleRef		TRM40-Ch7				
HMI						
Screen						
SCREEN: 1						
DisplayTimeout		10	Min	1	120	
ContrastLevel		0	%	-100	100	
DefaultScreen		Single line diagram				
EvListSrtOrder		Latest on top				
AutoIndicationDRP		Off				
SubstIndSLD		No				
InterlockIndSLD		No				
BypassCommands		No				

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Function key control						
Function key 1						
FNKEYTY1: 1						
Type			Off			
MenuShortcut			Main menu			
Function key 2						
FNKEYTY2: 1						
Type			Off			
MenuShortcut			Main menu			
Function key 3						
FNKEYMD3: 1						
Mode			Off			
PulseTime		0.200	s	0.001	60.000	
LabelOn		TEST MODE				18 characters
LabelOff		TEST MODE				18 characters
ReqAuthority		On				
FNKEYTY3: 1						
Type			Control			
MenuShortcut			Main menu			
Function key 4						
FNKEYMD4: 1						
Mode			Pulsed			
PulseTime		0.200	s	0.001	60.000	
LabelOn		DR TRIG				18 characters
LabelOff		DR TRIG				18 characters
ReqAuthority		On				
FNKEYTY4: 1						
Type			Menu shortcut			
MenuShortcut			Disturbance records			
Function key 5						
FNKEYMD5: 1						
Mode			Pulsed			
PulseTime		0.200	s	0.001	60.000	
LabelOn		LED CLEAR				18 characters
LabelOff		LED CLEAR				18 characters
ReqAuthority		On				
FNKEYTY5: 1						
Type			Control			
MenuShortcut			Main menu			
LEDs						
Alarm group 1						
LOW AIR PRESURE; GRP1_LED1: 1						
SequenceType			LatchedReset- S			

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Group / Parameter Name	IED Value [SG1/Common]	PC Value [SG1/Common]	Unit	Min	Max
LabelOff		LOW AIR PRESSSURE			18 characters
LabelRed		LOW AIR PRESSURE			18 characters
LabelYellow		LOW AIR PRESSURE			18 characters
LabelGreen		LOW AIR PRESSURE			18 characters
LOW GS PRS ALM; GRP1_LED2: 1					
SequenceType		LatchedReset-S			
LabelOff		LOW GS PRS ALARM			18 characters
LabelRed		LOW GS PRS ALARM			18 characters
LabelYellow		LOW GS PRS ALARM			18 characters
LabelGreen		LOW GS PRS ALARM			18 characters
LOSS_OF_SF6; GRP1_LED3: 1					
SequenceType		LatchedReset-S			
LabelOff		LOSS OF SF6			18 characters
LabelRed		LOSS OF SF6			18 characters
LabelYellow		LOSS OF SF6			18 characters
LabelGreen		LOSS OF SF6			18 characters
PD1/2 OPTD/ALRM; GRP1_LED4: 1					
SequenceType		LatchedReset-S			
LabelOff		PD1/2 OPTD/ALARM			18 characters
LabelRed		PD1/2 OPTD/ALARM			18 characters
LabelYellow		PD1/2 OPTD/ALARM			18 characters
LabelGreen		PD1/2 OPTD/ALARM			18 characters
CB NOT READY; GRP1_LED5: 1					
SequenceType		LatchedReset-S			
LabelOff		CB NOT READY			18 characters
LabelRed		CB NOT READY			18 characters
LabelYellow		CB NOT READY			18 characters
LabelGreen		CB NOT READY			18 characters
LOW OIL LVL ALM; GRP1_LED6: 1					

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
SequenceType		LatchedReset-S				
LabelOff		LW OIL LVL ALARM				18 characters
LabelRed		LW OIL LVL ALARM				18 characters
LabelYellow		LW OIL LVL ALARM				18 characters
LabelGreen		LW OIL LVL ALARM				18 characters
TC_FAULTY; GRP1_LED7: 1						
SequenceType		LatchedReset-S				
LabelOff		TC FAULTY				18 characters
LabelRed		TC FAULTY				18 characters
LabelYellow		TC FAULTY				18 characters
LabelGreen		TC FAULTY				18 characters
86A_OPTD; GRP1_LED8: 1						
SequenceType		LatchedReset-S				
LabelOff		86A OPTD				18 characters
LabelRed		86A OPTD				18 characters
LabelYellow		86A OPTD				18 characters
LabelGreen		86A OPTD				18 characters
SPARE; GRP1_LED9: 1						
SequenceType		LatchedReset-S				
LabelOff		GRP A/B REL FLTY				18 characters
LabelRed		GRP A/B REL FLTY				18 characters
LabelYellow		GRP A/B REL FLTY				18 characters
LabelGreen		GRP A/B REL FLTY				18 characters
86B_OPTD; GRP1_LED10: 1						
SequenceType		Follow-S				
LabelOff		86B OPTD				18 characters
LabelRed		86B OPTD				18 characters
LabelYellow		86B OPTD				18 characters
LabelGreen		86B OPTD				18 characters
89A/B MTR TBLE; GRP1_LED11: 1						
SequenceType		Follow-S				
LabelOff		89A/B MTR TRBLE				18 characters
LabelRed		89A/B MTR TRBLE				18 characters

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
LabelYellow			89A/B MTR TRBLE			18 characters
LabelGreen			89A/B MTR TRBLE			18 characters
BB/LBB OPTD-M1; GRP1_LED12: 1						
SequenceType			Follow-S			
LabelOff			BB/LBB OPTD M-1			18 characters
LabelRed			BB/LBB OPTD M-1			18 characters
LabelYellow			BB/LBB OPTD M-1			18 characters
LabelGreen			BB/LBB OPTD M-1			18 characters
BB/LBB OPTD-M2; GRP1_LED13: 1						
SequenceType			LatchedReset- S			
LabelOff			BB/LBB OPTD M-2			18 characters
LabelRed			BB/LBB OPTD M-2			18 characters
LabelYellow			BB/LBB OPTD M-2			18 characters
LabelGreen			BB/LBB OPTD M-2			18 characters
TOC-TRIP; GRP1_LED14: 1						
SequenceType			LatchedReset- S			
LabelOff			OC TRIP			18 characters
LabelRed			OC TRIP			18 characters
LabelYellow			GRP1_LED14			18 characters
LabelGreen			GRP1_LED14			18 characters
TEF-TRIP; GRP1_LED15: 1						
SequenceType			LatchedReset- S			
LabelOff			EF TRIP			18 characters
LabelRed			EF TRIP			18 characters
LabelYellow			G1L15_YELLO W			18 characters
LabelGreen			G1L15_GREE N			18 characters
Alarm group 2						
UT-1 INCOMER OPE; GRP2_LED1: 1						
SequenceType			Follow-S			
LabelOff			UT-1 INCOMER OPEN			18 characters

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
LabelRed			UT-1 INCOMER OPEN			18 characters
LabelYellow			UT-1 INCOMER OPEN			18 characters
LabelGreen			UT-1 INCOMER OPEN			18 characters
UT-2 INCOMER OPE; GRP2_LED2: 1						
SequenceType			Follow-S			
LabelOff			UT-2 INCOMER OPEN			18 characters
LabelRed			UT-2 INCOMER OPEN			18 characters
LabelYellow			UT-2 INCOMER OPEN			18 characters
LabelGreen			UT-2 INCOMER OPEN			18 characters
GCB OPEN; GRP2_LED3: 1						
SequenceType			Follow-S			
LabelOff			GCB OPEN			18 characters
LabelRed			GCB OPEN			18 characters
LabelYellow			GCB OPEN			18 characters
LabelGreen			GCB OPEN			18 characters
GCB E/S CLOSE; GRP2_LED4: 1						
SequenceType			Follow-S			
LabelOff			GCB E/S CLOSE			18 characters
LabelRed			GCB E/S CLOSE			18 characters
LabelYellow			GCB E/S CLOSE			18 characters
LabelGreen			GCB E/S CLOSE			18 characters
LBBINI_GRP; GRP2_LED5: 1						
SequenceType			LatchedReset-S			
LabelOff			LBB INITIATION_G RP			18 characters
LabelRed			LBB INITIATION_G RP			18 characters
LabelYellow			LBB INITIATION_G RP			18 characters

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Group / Parameter Name		IED Value [SG1/Commoco n]	PC Value [SG1/Commoco n]	Unit	Min	Max
LabelGreen			LBB INITIATION_G RP			18 characters
GRP2_LED6: 1						
SequenceType			Follow-S			
LabelOff			G2L06_OFF			18 characters
LabelRed			G2L06_RED			18 characters
LabelYellow			G2L06_YELLO W			18 characters
LabelGreen			G2L06_GREE N			18 characters
GRP2_LED7: 1						
SequenceType			Follow-S			
LabelOff			G2L07_OFF			18 characters
LabelRed			G2L07_RED			18 characters
LabelYellow			G2L07_YELLO W			18 characters
LabelGreen			G2L07_GREE N			18 characters
GRP2_LED8: 1						
SequenceType			Follow-S			
LabelOff			G2L08_OFF			18 characters
LabelRed			G2L08_RED			18 characters
LabelYellow			G2L08_YELLO W			18 characters
LabelGreen			G2L08_GREE N			18 characters
GRP2_LED9: 1						
SequenceType			Follow-S			
LabelOff			G2L09_OFF			18 characters
LabelRed			G2L09_RED			18 characters
LabelYellow			G2L09_YELLO W			18 characters
LabelGreen			G2L09_GREE N			18 characters
GRP2_LED10: 1						
SequenceType			Follow-S			
LabelOff			G2L10_OFF			18 characters
LabelRed			G2L10_RED			18 characters
LabelYellow			G2L10_YELLO W			18 characters
LabelGreen			G2L10_GREE N			18 characters
GRP2_LED11: 1						
SequenceType			Follow-S			
LabelOff			G2L11_OFF			18 characters
LabelRed			G2L11_RED			18 characters

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
LabelYellow			G2L11_YELLO W		18 characters	
LabelGreen			G2L11_GREE N		18 characters	
GRP2_LED12: 1						
SequenceType			Follow-S			
LabelOff			G2L12_OFF		18 characters	
LabelRed			G2L12_RED		18 characters	
LabelYellow			G2L12_YELLO W		18 characters	
LabelGreen			G2L12_GREE N		18 characters	
GRP2_LED13: 1						
SequenceType			Follow-S			
LabelOff			G2L13_OFF		18 characters	
LabelRed			G2L13_RED		18 characters	
LabelYellow			G2L13_YELLO W		18 characters	
LabelGreen			G2L13_GREE N		18 characters	
GRP2_LED14: 1						
SequenceType			Follow-S			
LabelOff			G2L14_OFF		18 characters	
LabelRed			G2L14_RED		18 characters	
LabelYellow			G2L14_YELLO W		18 characters	
LabelGreen			G2L14_GREE N		18 characters	
GRP2_LED15: 1						
SequenceType			Follow-S			
LabelOff			G2L15_OFF		18 characters	
LabelRed			G2L15_RED		18 characters	
LabelYellow			G2L15_YELLO W		18 characters	
LabelGreen			G2L15_GREE N		18 characters	
Alarm group 3						
89A_I/L_OK; GRP3_LED1: 1						
SequenceType			Follow-S			
LabelOff			89A_ITLK OK		18 characters	
LabelRed			89A_ITLK OK		18 characters	
LabelYellow			89A_ITLK OK		18 characters	
LabelGreen			89A_ITLK OK		18 characters	
89B_I/L_OK; GRP3_LED2: 1						
SequenceType			Follow-S			
LabelOff			89B_ITLK OK		18 characters	
LabelRed			89B_ITLK OK		18 characters	

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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
LabelYellow			89B_ITLK OK			18 characters
LabelGreen			89B_ITLK OK			18 characters
89L_I/L_OK; GRP3_LED3: 1						
SequenceType		Follow-S				
LabelOff		89L_ITLK OK				18 characters
LabelRed		89L_ITLK OK				18 characters
LabelYellow		89L_ITLK OK				18 characters
LabelGreen		89L_ITLK OK				18 characters
89AE_I/L_OK; GRP3_LED4: 1						
SequenceType		Follow-S				
LabelOff		89AE_ITLK OK				18 characters
LabelRed		89AE_ITLK OK				18 characters
LabelYellow		89AE_ITLK OK				18 characters
LabelGreen		89AE_ITLK OK				18 characters
89BE_I/L_OK; GRP3_LED5: 1						
SequenceType		Follow-S				
LabelOff		89BE_ITLK OK				18 characters
LabelRed		89BE_ITLK OK				18 characters
LabelYellow		89BE_ITLK OK				18 characters
LabelGreen		89BE_ITLK OK				18 characters
89LE_I/L_OK; GRP3_LED6: 1						
SequenceType		Follow-S				
LabelOff		89LE_ITLK OK				18 characters
LabelRed		89LE_ITLK OK				18 characters
LabelYellow		89LE_ITLK OK				18 characters
LabelGreen		89LE_ITLK OK				18 characters
GRP3_LED7: 1						
SequenceType		Follow-S				
LabelOff		G3L07_OFF				18 characters
LabelRed		G3L07_RED				18 characters
LabelYellow		G3L07_YELLO W				18 characters
LabelGreen		G3L07_GREE N				18 characters
GRP3_LED8: 1						
SequenceType		Follow-S				
LabelOff		G3L08_OFF				18 characters
LabelRed		G3L08_RED				18 characters
LabelYellow		G3L08_YELLO W				18 characters
LabelGreen		G3L08_GREE N				18 characters
GRP3_LED9: 1						
SequenceType		Follow-S				
LabelOff		G3L09_OFF				18 characters

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
LabelRed		G3L09_RED		18 characters		
LabelYellow		G3L09_YELLO W		18 characters		
LabelGreen		G3L09_GREE N		18 characters		
GRP3_LED10: 1						
SequenceType		Follow-S				
LabelOff		G3L10_OFF		18 characters		
LabelRed		G3L10_RED		18 characters		
LabelYellow		G3L10_YELLO W		18 characters		
LabelGreen		G3L10_GREE N		18 characters		
GRP3_LED11: 1						
SequenceType		Follow-S				
LabelOff		G3L11_OFF		18 characters		
LabelRed		G3L11_RED		18 characters		
LabelYellow		G3L11_YELLO W		18 characters		
LabelGreen		G3L11_GREE N		18 characters		
GRP3_LED12: 1						
SequenceType		Follow-S				
LabelOff		G3L12_OFF		18 characters		
LabelRed		G3L12_RED		18 characters		
LabelYellow		G3L12_YELLO W		18 characters		
LabelGreen		G3L12_GREE N		18 characters		
GRP3_LED13: 1						
SequenceType		Follow-S				
LabelOff		G3L13_OFF		18 characters		
LabelRed		G3L13_RED		18 characters		
LabelYellow		G3L13_YELLO W		18 characters		
LabelGreen		G3L13_GREE N		18 characters		
GRP3_LED14: 1						
SequenceType		Follow-S				
LabelOff		G3L14_OFF		18 characters		
LabelRed		G3L14_RED		18 characters		
LabelYellow		G3L14_YELLO W		18 characters		
LabelGreen		G3L14_GREE N		18 characters		
GRP3_LED15: 1						
SequenceType		Follow-S				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commoco n]	PC Value [SG1/Commoco n]	Unit	Min	Max
LabelOff			G3L15_OFF			18 characters
LabelRed			G3L15_RED			18 characters
LabelYellow			G3L15_YELLO W			18 characters
LabelGreen			G3L15_GREE N			18 characters
LEDGEN: 1						
Operation			On			
tRestart		0.0	s	0.0	100.0	
tMax		1.0	s	0.1	100.0	
Monitoring						
DisturbanceReport						
DRPRDRE: 1						
Operation			On			
COMTRADEFormat			2013(Float32)			
PreFaultRecT		1.00	s	0.05	9.90	
PostFaultRecT		3.0	s	0.1	10.0	
TimeLimit		4.0	s	0.5	10.0	
PostRetrig		Off				
ZeroAngleRef		7	Ch	1	30	
SetInfoInDRep			Enable			
OpModeTest			Off			
Application Configuration						
_AIN						
Analog modules						
3 phase analog group						
GT_CT_3ms; SMAI2: 2						
AI1NAME			IL1			16 characters
AI2NAME			IL2			16 characters
AI3NAME			IL3			16 characters
AI4NAME			IL4_N			16 characters
GlobalBaseSel		1		1	12	
DFTReference			InternalDFTRef			
ConnectionType			Ph-N			
Negation			Off			
MinValFreqMeas		10	%	5	200	
AnalogInputType			Current			
GT_CT_8ms; SMAI2: 14						
AI1NAME			IL1			16 characters
AI2NAME			IL2			16 characters
AI3NAME			IL3			16 characters
AI4NAME			IL4_N			16 characters
GlobalBaseSel		1		1	12	
DFTReference			InternalDFTRef			
ConnectionType			Ph-N			

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Negation		Off				
MinValFreqMeas		10	%	5	200	
AnalogInputType		Current				
GT_VT_3ms; SMAI3: 3						
AI1NAME		UL1		16 characters		
AI2NAME		UL2		16 characters		
AI3NAME		UL2		16 characters		
AI4NAME		UL4_N_OPT		16 characters		
GlobalBaseSel		1		1	12	
DFTReference		InternalDFTRef				
ConnectionType		Ph-N				
Negation		Off				
MinValFreqMeas		10	%	5	200	
AnalogInputType		Voltage				
GT_VT_8ms; SMAI3: 15						
AI1NAME		UL1		16 characters		
AI2NAME		UL2		16 characters		
AI3NAME		UL2		16 characters		
AI4NAME		UL4_N_OPT		16 characters		
GlobalBaseSel		1		1	12	
DFTReference		InternalDFTRef				
ConnectionType		Ph-N				
Negation		Off				
MinValFreqMeas		10	%	5	200	
AnalogInputType		Voltage				
BUS_VT_3ms; SMAI4: 4						
AI1NAME		UL1		16 characters		
AI2NAME		UL2		16 characters		
AI3NAME		UL3		16 characters		
AI4NAME		Not used		16 characters		
GlobalBaseSel		1		1	12	
DFTReference		InternalDFTRef				
ConnectionType		Ph-N				
Negation		Off				
MinValFreqMeas		10	%	5	200	
AnalogInputType		Voltage				
BUS_VT_8ms; SMAI4: 16						
AI1NAME		UL1		16 characters		
AI2NAME		UL2		16 characters		
AI3NAME		UL3		16 characters		
AI4NAME		Not used		16 characters		
GlobalBaseSel		1		1	12	
DFTReference		InternalDFTRef				
ConnectionType		Ph-N				

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			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Negation		Off			
MinValFreqMeas		10	%	5	200
AnalogInputType		Voltage			
Not used; SMAI5: 5					
AI1NAME		UL1			16 characters
AI2NAME		Not used			16 characters
AI3NAME		Not used			16 characters
AI4NAME		Not used			16 characters
GlobalBaseSel		1		1	12
DFTReference		InternalDFTRef			
ConnectionType		Ph-N			
Negation		Off			
MinValFreqMeas		10	%	5	200
AnalogInputType		Voltage			
Not used; SMAI5: 17					
AI1NAME		UL1			16 characters
AI2NAME		Not used			16 characters
AI3NAME		Not used			16 characters
AI4NAME		Not used			16 characters
GlobalBaseSel		1		1	12
DFTReference		InternalDFTRef			
ConnectionType		Ph-N			
Negation		Off			
MinValFreqMeas		10	%	5	200
AnalogInputType		Voltage			
Not used; SMAI6: 6					
AI1NAME		UL1			16 characters
AI2NAME		Not used			16 characters
AI3NAME		Not used			16 characters
AI4NAME		Not used			16 characters
GlobalBaseSel		1		1	12
DFTReference		InternalDFTRef			
ConnectionType		Ph-N			
Negation		Off			
MinValFreqMeas		10	%	5	200
AnalogInputType		Voltage			
Not used; SMAI6: 18					
AI1NAME		UL1			16 characters
AI2NAME		Not used			16 characters
AI3NAME		Not used			16 characters
AI4NAME		Not used			16 characters
GlobalBaseSel		1		1	12
DFTReference		InternalDFTRef			
ConnectionType		Ph-N			

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				Repla...			Created by AA1C1Q01KF1		Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 26 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Negation		Off				
MinValFreqMeas		10	%	5	200	
AnalogInputType		Voltage				
Secondary system supervision						
FuseFailure(U>/I<)						
FUFSPVC: 1						
GlobalBaseSel		1		1	12	
Setting Group1						
Operation		Off				
OpMode		UZsIZs OR UNsINs				
3U0>		30	%UB	1	100	
3I0<		10	%IB	1	100	
3U2>		30	%UB	1	100	
3I2<		10	%IB	1	100	
OpDUDI		Off				
DU>		60	%UB	1	100	
DI<		15	%IB	1	100	
UPh>		70	%UB	1	100	
IPh>		10	%IB	1	100	
Sealln		On				
USealln<		70	%UB	1	100	
IDLD<		5	%IB	1	100	
UDLD<		60	%UB	1	100	
Logic						
Limiter						
LIMITER: 1						
MinLim		200000.0		-999999.9		999999.9
MaxLim		500000.0		-999999.9		999999.9
LIMITER: 2						
MinLim		200000.0		-999999.9		999999.9
MaxLim		500000.0		-999999.9		999999.9
LIMITER: 3						
MinLim		200000.0		-999999.9		999999.9
MaxLim		500000.0		-999999.9		999999.9
LogicTimerSet						
TIMERSET: 1						
Setting Group1						
Operation		On				
t		0.000	s	0.000	90000.000	
Monitoring						
CurrentPhasors(I)						
CMMXU: 1						
General						

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			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Operation		On				
GlobalBaseSel		1		1		12
IAmpComp5		0.000		%	-10.000	10.000
IAmpComp30		0.000		%	-10.000	10.000
IAmpComp100		0.000		%	-10.000	10.000
IAngComp5		0.000		Deg	-10.000	10.000
IAngComp30		0.000		Deg	-10.000	10.000
IAngComp100		0.000		Deg	-10.000	10.000
IL1 Amplitude						
IL1DbReplnt		10		Type	1	100000
IL1ZeroDb		0		m%	0	100000
IL1HiHiLim		150.0		%IB	0.0	500.0
IL1HiLim		120.0		%IB	0.0	500.0
IL1LowLim		0.0		%IB	0.0	500.0
IL1LowLowLim		0.0		%IB	0.0	500.0
IL1Min		0.0		%IB	0.0	500.0
IL1Max		200.0		%IB	0.0	500.0
IL1RepTyp		Cyclic				
IL1LimHys		5.000		%	0.000	100.000
IL1 Angle						
IL1AngDbReplnt		10		s	1	100000
IL2 Amplitude						
IL2DbReplnt		10		Type	1	100000
IL2ZeroDb		0		m%	0	100000
IL2HiHiLim		150.0		%IB	0.0	500.0
IL2HiLim		120.0		%IB	0.0	500.0
IL2LowLim		0.0		%IB	0.0	500.0
IL2LowLowLim		0.0		%IB	0.0	500.0
IL2Min		0.0		%IB	0.0	500.0
IL2Max		200.0		%IB	0.0	500.0
IL2RepTyp		Cyclic				
IL2LimHys		5.000		%	0.000	100.000
IL2 Angle						
IL2AngDbReplnt		10		s	1	100000
IL3 Amplitude						
IL3DbReplnt		10		Type	1	100000
IL3ZeroDb		0		m%	0	100000
IL3HiHiLim		150.0		%IB	0.0	500.0
IL3HiLim		120.0		%IB	0.0	500.0
IL3LowLim		0.0		%IB	0.0	500.0
IL3LowLowLim		0.0		%IB	0.0	500.0
IL3Min		0.0		%IB	0.0	500.0
IL3Max		200.0		%IB	0.0	500.0
IL3RepTyp		Cyclic				

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			Repla...			Created by	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
IL3LimHys			5.000	%	0.000	100.000
IL3 Angle						
IL3AngDbReplnt			10	s	1	100000
CurrentSequenceComponents(Isqi)						
CMSQI: 1						
General						
Operation			On			
GlobalBaseSel			1		1	12
3I0 Amplitude						
3I0DbReplnt		10	Type	1	100000	
3I0ZeroDb		1000	m%	0	100000	
3I0HiHiLim		150.0	%IB	0.0	500.0	
3I0HiLim		120.0	%IB	0.0	500.0	
3I0LowLim		80.0	%IB	0.0	500.0	
3I0LowLowLim		60.0	%IB	0.0	500.0	
3I0Min		50.0	%IB	0.0	500.0	
3I0Max		200.0	%IB	0.0	500.0	
3I0RepTyp			Cyclic			
3I0LimHys		5.000	%	0.000	100.000	
3I0 Angle						
3I0AngDbReplnt		10	s	1	100000	
I1 Amplitude						
I1DbReplnt		10	Type	1	100000	
I1ZeroDb		1000	m%	0	100000	
I1HiHiLim		150.0	%IB	0.0	500.0	
I1HiLim		120.0	%IB	0.0	500.0	
I1LowLim		80.0	%IB	0.0	500.0	
I1LowLowLim		60.0	%IB	0.0	500.0	
I1Min		50.0	%IB	0.0	500.0	
I1Max		200.0	%IB	0.0	500.0	
I1RepTyp			Cyclic			
I1LimHys		5.000	%	0.000	100.000	
I1 Angle						
I1AngDbReplnt		10	s	1	100000	
I2 Amplitude						
I2DbReplnt		10	Type	1	100000	
I2ZeroDb		1000	m%	0	100000	
I2HiHiLim		150.0	%IB	0.0	500.0	
I2HiLim		120.0	%IB	0.0	500.0	
I2LowLim		80.0	%IB	0.0	500.0	
I2LowLowLim		60.0	%IB	0.0	500.0	
I2Min		50.0	%IB	0.0	500.0	
I2Max		200.0	%IB	0.0	500.0	
I2RepTyp			Cyclic			

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Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
I2LimHys			5.000	%	0.000	100.000
I2 Angle						
I2AngDbRepInt			10	s	1	100000
ServiceValues(P_Q)						
CVMMXN: 1						
General						
Operation			On			
GlobalBaseSel			1		1	12
Mode			L1, L2, L3			
PowAmpFact			1.000		0.000	6.000
PowAngComp			0.0	Deg	-180.0	180.0
k			0.000		0.000	1.000
UGenZeroDb			5	%UB	1	100
IGenZeroDb			5	%IB	1	100
UAmpComp5			0.000	%	-10.000	10.000
UAmpComp30			0.000	%	-10.000	10.000
UAmpComp100			0.000	%	-10.000	10.000
IAmpComp5			0.000	%	-10.000	10.000
IAmpComp30			0.000	%	-10.000	10.000
IAmpComp100			0.000	%	-10.000	10.000
IAngComp5			0.000	Deg	-10.000	10.000
IAngComp30			0.000	Deg	-10.000	10.000
IAngComp100			0.000	Deg	-10.000	10.000
Apparent power S						
SDbRepInt			10	Type	1	100000
SZeroDb			1000	m%	0	100000
SHiHiLim			0.0	%SB	0.0	2000.0
SHiLim			0.0	%SB	0.0	2000.0
SLowLim			0.0	%SB	0.0	2000.0
SLowLowLim			0.0	%SB	0.0	2000.0
SMin			0.0	%SB	0.0	2000.0
SMax			200.0	%SB	0.0	2000.0
SRepTyp			Cyclic			
SLimHyst			5.000	%	0.000	100.000
Active power P						
PDbRepInt			10	Type	1	100000
PZeroDb			1000	m%	0	100000
PHiHiLim			150.0	%SB	-2000.0	2000.0
PHiLim			120.0	%SB	-2000.0	2000.0
PLowLim			-120.0	%SB	-2000.0	2000.0
PLowLowLim			-150.0	%SB	-2000.0	2000.0
PMin			-200.0	%SB	-2000.0	2000.0
PMax			200.0	%SB	-2000.0	2000.0
PRepTyp			Cyclic			

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				Repla...			Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
PLimHyst			5.000	%	0.000	100.000
Reactive power Q						
QDbRepInt			10	Type	1	100000
QZeroDb			1000	m%	0	100000
QHiHiLim			150.0	%SB	-2000.0	2000.0
QHiLim			120.0	%SB	-2000.0	2000.0
QLowLim			-120.0	%SB	-2000.0	2000.0
QLowLowLim			-150.0	%SB	-2000.0	2000.0
QMin			-200.0	%SB	-2000.0	2000.0
QMax			200.0	%SB	-2000.0	2000.0
QRepTyp			Cyclic			
QLimHyst			5.000	%	0.000	100.000
Power factor PF						
PFDbRepInt			10	Type	1	100000
PFZeroDb			500	m%	0	100000
PFHiHiLim			1.000		-1.000	1.000
PFHiLim			0.800		-1.000	1.000
PFLowLim			-0.800		-1.000	1.000
PFLowLowLim			-1.000		-1.000	1.000
PFMin			-1.000		-1.000	1.000
PFMax			1.000		-1.000	1.000
PFRepTyp			Cyclic			
PFLimHyst			5.000	%	0.000	100.000
Voltage U						
UDbRepInt			10	Type	1	100000
UZeroDb			1000	m%	0	100000
UHiHiLim			150.0	%UB	0.0	200.0
UHiLim			120.0	%UB	0.0	200.0
ULowLim			80.0	%UB	0.0	200.0
ULowLowLim			60.0	%UB	0.0	200.0
UMin			50.0	%UB	0.0	200.0
UMax			200.0	%UB	0.0	200.0
URepTyp			Cyclic			
ULimHyst			5.000	%	0.000	100.000
Current I						
IDbRepInt			10	Type	1	100000
IZeroDb			1000	m%	0	100000
IHiiHiLim			150.0	%IB	0.0	500.0
IHiiLim			120.0	%IB	0.0	500.0
ILowLim			80.0	%IB	0.0	500.0
ILowLowLim			60.0	%IB	0.0	500.0
IMin			5.0	%IB	0.0	500.0
IMax			200.0	%IB	0.0	500.0
IRepTyp			Cyclic			

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Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
ILimHyst			5.000	%	0.000	100.000
Frequency Fr						
FrDbRepInt			10	Type	1	100000
FrZeroDb			100	m%	0	100000
FrHiHiLim			65.000	Hz	0.000	100.000
FrHiLim			63.000	Hz	0.000	100.000
FrLowLim			47.000	Hz	0.000	100.000
FrLowLowLim			45.000	Hz	0.000	100.000
FrMin			0.000	Hz	0.000	100.000
FrMax			70.000	Hz	0.000	100.000
FrRepTyp			Cyclic			
FrLimHyst			5.000	%	0.000	100.000
CVMMXN: 2						
General						
Operation			On			
GlobalBaseSel			1		1	12
Mode			L1, L2, L3			
PowAmpFact			1.000		0.000	6.000
PowAngComp			0.0	Deg	-180.0	180.0
k			0.000		0.000	1.000
UGenZeroDb			5	%UB	1	100
IGenZeroDb			5	%IB	1	100
UAmpComp5			0.000	%	-10.000	10.000
UAmpComp30			0.000	%	-10.000	10.000
UAmpComp100			0.000	%	-10.000	10.000
IAmpComp5			0.000	%	-10.000	10.000
IAmpComp30			0.000	%	-10.000	10.000
IAmpComp100			0.000	%	-10.000	10.000
IAngComp5			0.000	Deg	-10.000	10.000
IAngComp30			0.000	Deg	-10.000	10.000
IAngComp100			0.000	Deg	-10.000	10.000
Apparent power S						
SDbRepInt			10	Type	1	100000
SZeroDb			1000	m%	0	100000
SHiHiLim			0.0	%SB	0.0	2000.0
SHiLim			0.0	%SB	0.0	2000.0
SLowLim			0.0	%SB	0.0	2000.0
SLowLowLim			0.0	%SB	0.0	2000.0
SMin			0.0	%SB	0.0	2000.0
SMax			200.0	%SB	0.0	2000.0
SRepTyp			Cyclic			
SLimHyst			5.000	%	0.000	100.000
Active power P						
PDbRepInt			10	Type	1	100000

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 32 / 107

Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
	PZeroDb		1000	m%	0	100000
	PHiHiLim		150.0	%SB	-2000.0	2000.0
	PHiLim		120.0	%SB	-2000.0	2000.0
	PLowLim		-120.0	%SB	-2000.0	2000.0
	PLowLowLim		-150.0	%SB	-2000.0	2000.0
	PMin		-200.0	%SB	-2000.0	2000.0
	PMax		200.0	%SB	-2000.0	2000.0
	PRepTyp		Cyclic			
	PLimHyst		5.000	%	0.000	100.000
Reactive power Q						
	QDbReplInt		10	Type	1	100000
	QZeroDb		1000	m%	0	100000
	QHiHiLim		150.0	%SB	-2000.0	2000.0
	QHiLim		120.0	%SB	-2000.0	2000.0
	QLowLim		-120.0	%SB	-2000.0	2000.0
	QLowLowLim		-150.0	%SB	-2000.0	2000.0
	QMin		-200.0	%SB	-2000.0	2000.0
	QMax		200.0	%SB	-2000.0	2000.0
	QRepTyp		Cyclic			
	QLimHyst		5.000	%	0.000	100.000
Power factor PF						
	PFDbReplInt		10	Type	1	100000
	PFZeroDb		500	m%	0	100000
	PFHiHiLim		1.000		-1.000	1.000
	PFHiLim		0.800		-1.000	1.000
	PFlowLim		-0.800		-1.000	1.000
	PFlowLowLim		-1.000		-1.000	1.000
	PFMin		-1.000		-1.000	1.000
	PFMax		1.000		-1.000	1.000
	PFRepTyp		Cyclic			
	PFLimHyst		5.000	%	0.000	100.000
Voltage U						
	UDbReplInt		10	Type	1	100000
	UZeroDb		1000	m%	0	100000
	UHiHiLim		150.0	%UB	0.0	200.0
	UHiLim		120.0	%UB	0.0	200.0
	ULowLim		80.0	%UB	0.0	200.0
	ULowLowLim		60.0	%UB	0.0	200.0
	UMin		50.0	%UB	0.0	200.0
	UMax		200.0	%UB	0.0	200.0
	URepTyp		Cyclic			
	ULimHyst		5.000	%	0.000	100.000
Current I						
	IDbReplInt		10	Type	1	100000

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan 33 / 107

Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
	IZeroDb		1000	m%	0	100000
	IHiHiLim		150.0	%IB	0.0	500.0
	IHiLim		120.0	%IB	0.0	500.0
	ILowLim		80.0	%IB	0.0	500.0
	ILowLowLim		60.0	%IB	0.0	500.0
	IMin		5.0	%IB	0.0	500.0
	IMax		200.0	%IB	0.0	500.0
	IRepTyp		Cyclic			
	ILimHyst		5.000	%	0.000	100.000
Frequency Fr						
	FrDbRepInt		10	Type	1	100000
	FrZeroDb		100	m%	0	100000
	FrHiHiLim		65.000	Hz	0.000	100.000
	FrHiLim		63.000	Hz	0.000	100.000
	FrLowLim		47.000	Hz	0.000	100.000
	FrLowLowLim		45.000	Hz	0.000	100.000
	FrMin		0.000	Hz	0.000	100.000
	FrMax		70.000	Hz	0.000	100.000
	FrRepTyp		Cyclic			
	FrLimHyst		5.000	%	0.000	100.000
VoltagePhasors,phase-phase(U)						
VMMXU: 1						
General						
Operation		On				
GlobalBaseSel		1			1	12
UAmpComp100		0.000	%		-10.000	10.000
UL12 Amplitude						
UL12DbRepInt		10	Type	1	100000	
UL12ZeroDb		0	m%	0	100000	
UL12HiHiLim		0.0	%UB	0.0	200.0	
UL12HiLim		0.0	%UB	0.0	200.0	
UL12LowLim		0.0	%UB	0.0	200.0	
UL12LowLowLim		0.0	%UB	0.0	200.0	
UL12Min		0.0	%UB	0.0	200.0	
UL12Max		200.0	%UB	0.0	200.0	
UL12RepTyp		Cyclic				
UL12LimHys		5.000	%	0.000	100.000	
UL12 Angle						
UL12AngDbRepInt		10	s	1	100000	
UL23 Amplitude						
UL23DbRepInt		10	Type	1	100000	
UL23ZeroDb		0	m%	0	100000	
UL23HiHiLim		0.0	%UB	0.0	200.0	
UL23HiLim		0.0	%UB	0.0	200.0	

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 34 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
UL23LowLim		0.0	%UB	0.0	200.0	
UL23LowLowLim		0.0	%UB	0.0	200.0	
UL23Min		0.0	%UB	0.0	200.0	
UL23Max		200.0	%UB	0.0	200.0	
UL23RepTyp		Cyclic				
UL23LimHys		5.000	%	0.000	100.000	
UL23 Angle						
UL23AngDbReplnt		10	s	1	100000	
UL31 Amplitude						
UL31DbReplnt		10	Type	1	100000	
UL31ZeroDb		0	m%	0	100000	
UL31HiHiLim		0.0	%UB	0.0	200.0	
UL31HiLim		0.0	%UB	0.0	200.0	
UL31LowLim		0.0	%UB	0.0	200.0	
UL31LowLowLim		0.0	%UB	0.0	200.0	
UL31Min		0.0	%UB	0.0	200.0	
UL31Max		200.0	%UB	0.0	200.0	
UL31RepTyp		Cyclic				
UL31LimHys		5.000	%	0.000	100.000	
UL31 Angle						
UL31AngDbReplnt		10	s	1	100000	
VMMXU: 2						
General						
Operation		On				
GlobalBaseSel		1		1	12	
UAmpComp100		0.000	%	-10.000	10.000	
UL12 Amplitude						
UL12DbReplnt		10	Type	1	100000	
UL12ZeroDb		0	m%	0	100000	
UL12HiHiLim		0.0	%UB	0.0	200.0	
UL12HiLim		0.0	%UB	0.0	200.0	
UL12LowLim		0.0	%UB	0.0	200.0	
UL12LowLowLim		0.0	%UB	0.0	200.0	
UL12Min		0.0	%UB	0.0	200.0	
UL12Max		200.0	%UB	0.0	200.0	
UL12RepTyp		Cyclic				
UL12LimHys		5.000	%	0.000	100.000	
UL12 Angle						
UL12AngDbReplnt		10	s	1	100000	
UL23 Amplitude						
UL23DbReplnt		10	Type	1	100000	
UL23ZeroDb		0	m%	0	100000	
UL23HiHiLim		0.0	%UB	0.0	200.0	
UL23HiLim		0.0	%UB	0.0	200.0	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 35 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
UL23LowLim		0.0	%UB	0.0	200.0	
UL23LowLowLim		0.0	%UB	0.0	200.0	
UL23Min		0.0	%UB	0.0	200.0	
UL23Max		200.0	%UB	0.0	200.0	
UL23RepTyp		Cyclic				
UL23LimHys		5.000	%	0.000	100.000	
UL23 Angle						
UL23AngDbReplnt		10	s	1	100000	
UL31 Amplitude						
UL31DbReplnt		10	Type	1	100000	
UL31ZeroDb		0	m%	0	100000	
UL31HiHiLim		0.0	%UB	0.0	200.0	
UL31HiLim		0.0	%UB	0.0	200.0	
UL31LowLim		0.0	%UB	0.0	200.0	
UL31LowLowLim		0.0	%UB	0.0	200.0	
UL31Min		0.0	%UB	0.0	200.0	
UL31Max		200.0	%UB	0.0	200.0	
UL31RepTyp		Cyclic				
UL31LimHys		5.000	%	0.000	100.000	
UL31 Angle						
UL31AngDbReplnt		10	s	1	100000	
VMMXU: 3						
General						
Operation		On				
GlobalBaseSel		1		1	12	
UAmpComp100		0.000	%	-10.000	10.000	
UL12 Amplitude						
UL12DbReplnt		10	Type	1	100000	
UL12ZeroDb		0	m%	0	100000	
UL12HiHiLim		0.0	%UB	0.0	200.0	
UL12HiLim		0.0	%UB	0.0	200.0	
UL12LowLim		0.0	%UB	0.0	200.0	
UL12LowLowLim		0.0	%UB	0.0	200.0	
UL12Min		0.0	%UB	0.0	200.0	
UL12Max		200.0	%UB	0.0	200.0	
UL12RepTyp		Cyclic				
UL12LimHys		5.000	%	0.000	100.000	
UL12 Angle						
UL12AngDbReplnt		10	s	1	100000	
UL23 Amplitude						
UL23DbReplnt		10	Type	1	100000	
UL23ZeroDb		0	m%	0	100000	
UL23HiHiLim		0.0	%UB	0.0	200.0	
UL23HiLim		0.0	%UB	0.0	200.0	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 36 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
UL23LowLim		0.0	%UB	0.0	200.0	
UL23LowLowLim		0.0	%UB	0.0	200.0	
UL23Min		0.0	%UB	0.0	200.0	
UL23Max		200.0	%UB	0.0	200.0	
UL23RepTyp		Cyclic				
UL23LimHys		5.000	%	0.000	100.000	
UL23 Angle						
UL23AngDbReplnt		10	s	1	100000	
UL31 Amplitude						
UL31DbReplnt		10	Type	1	100000	
UL31ZeroDb		0	m%	0	100000	
UL31HiHiLim		0.0	%UB	0.0	200.0	
UL31HiLim		0.0	%UB	0.0	200.0	
UL31LowLim		0.0	%UB	0.0	200.0	
UL31LowLowLim		0.0	%UB	0.0	200.0	
UL31Min		0.0	%UB	0.0	200.0	
UL31Max		200.0	%UB	0.0	200.0	
UL31RepTyp		Cyclic				
UL31LimHys		5.000	%	0.000	100.000	
UL31 Angle						
UL31AngDbReplnt		10	s	1	100000	
VMMXU: 4						
General						
Operation		On				
GlobalBaseSel		1		1	12	
UAmpComp100		0.000	%	-10.000	10.000	
UL12 Amplitude						
UL12DbReplnt		10	Type	1	100000	
UL12ZeroDb		0	m%	0	100000	
UL12HiHiLim		0.0	%UB	0.0	200.0	
UL12HiLim		0.0	%UB	0.0	200.0	
UL12LowLim		0.0	%UB	0.0	200.0	
UL12LowLowLim		0.0	%UB	0.0	200.0	
UL12Min		0.0	%UB	0.0	200.0	
UL12Max		200.0	%UB	0.0	200.0	
UL12RepTyp		Cyclic				
UL12LimHys		5.000	%	0.000	100.000	
UL12 Angle						
UL12AngDbReplnt		10	s	1	100000	
UL23 Amplitude						
UL23DbReplnt		10	Type	1	100000	
UL23ZeroDb		0	m%	0	100000	
UL23HiHiLim		0.0	%UB	0.0	200.0	
UL23HiLim		0.0	%UB	0.0	200.0	

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				Repla...			Created by AA1C1Q01KF1		Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 37 / 107

Group / Parameter Name		IED Value [SG1/Commom]	PC Value [SG1/Commom]	Unit	Min	Max
UL23LowLim		0.0	%UB	0.0	200.0	
UL23LowLowLim		0.0	%UB	0.0	200.0	
UL23Min		0.0	%UB	0.0	200.0	
UL23Max		200.0	%UB	0.0	200.0	
UL23RepTyp		Cyclic				
UL23LimHys		5.000	%	0.000	100.000	
UL23 Angle						
UL23AngDbReplnt		10	s	1	100000	
UL31 Amplitude						
UL31DbReplnt		10	Type	1	100000	
UL31ZeroDb		0	m%	0	100000	
UL31HiHiLim		0.0	%UB	0.0	200.0	
UL31HiLim		0.0	%UB	0.0	200.0	
UL31LowLim		0.0	%UB	0.0	200.0	
UL31LowLowLim		0.0	%UB	0.0	200.0	
UL31Min		0.0	%UB	0.0	200.0	
UL31Max		200.0	%UB	0.0	200.0	
UL31RepTyp		Cyclic				
UL31LimHys		5.000	%	0.000	100.000	
UL31 Angle						
UL31AngDbReplnt		10	s	1	100000	
VoltageSequenceComponents(Usqj)						
VMSQI: 1						
General						
Operation		On				
GlobalBaseSel		1		1	12	
UAmpPreComp5		0.000	%	-10.000	10.000	
UAmpPreComp30		0.000	%	-10.000	10.000	
UAmpPreComp100		0.000	%	-10.000	10.000	
3U0 Amplitude						
3U0DbReplnt		10	Type	1	100000	
3U0ZeroDb		1000	m%	0	100000	
3U0HiHiLim		150.0	%UB	0.0	200.0	
3U0HiLim		120.0	%UB	0.0	200.0	
3U0LowLim		80.0	%UB	0.0	200.0	
3U0LowLowLim		60.0	%UB	0.0	200.0	
3U0Min		50.0	%UB	0.0	200.0	
3U0Max		200.0	%UB	0.0	200.0	
3U0RepTyp		Cyclic				
3U0LimHys		5.000	%	0.000	100.000	
3U0 Angle						
3U0AngDbReplnt		10	s	1	100000	
U1 Amplitude						
U1DbReplnt		10	Type	1	100000	

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				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	U1ZeroDb		1000	m%	0	100000
	U1HiHiLim		150.0	%UB	0.0	200.0
	U1HiLim		120.0	%UB	0.0	200.0
	U1LowLim		80.0	%UB	0.0	200.0
	U1LowLowLim		60.0	%UB	0.0	200.0
	U1Min		50.0	%UB	0.0	200.0
	U1Max		200.0	%UB	0.0	200.0
	U1RepTyp		Cyclic			
	U1LimHys		5.000	%	0.000	100.000
U1 Angle						
	U1AngDbReplnt		10	s	1	100000
U2 Amplitude						
	U2DbReplnt		10	Type	1	100000
	U2ZeroDb		1000	m%	0	100000
	U2HiHiLim		150.0	%UB	0.0	200.0
	U2HiLim		120.0	%UB	0.0	200.0
	U2LowLim		80.0	%UB	0.0	200.0
	U2LowLowLim		60.0	%UB	0.0	200.0
	U2Min		50.0	%UB	0.0	200.0
	U2Max		200.0	%UB	0.0	200.0
	U2RepTyp		Cyclic			
	U2LimHys		5.000	%	0.000	100.000
U2 Angle						
	U2AngDbReplnt		10	s	1	100000
VMSQI: 2						
General						
	Operation		Off			
	GlobalBaseSel		1		1	12
	UAmpPreComp5		0.000	%	-10.000	10.000
	UAmpPreComp30		0.000	%	-10.000	10.000
	UAmpPreComp100		0.000	%	-10.000	10.000
3U0 Amplitude						
	3U0DbReplnt		10	Type	1	100000
	3U0ZeroDb		1000	m%	0	100000
	3U0HiHiLim		150.0	%UB	0.0	200.0
	3U0HiLim		120.0	%UB	0.0	200.0
	3U0LowLim		80.0	%UB	0.0	200.0
	3U0LowLowLim		60.0	%UB	0.0	200.0
	3U0Min		50.0	%UB	0.0	200.0
	3U0Max		200.0	%UB	0.0	200.0
	3U0RepTyp		Cyclic			
	3U0LimHys		5.000	%	0.000	100.000
3U0 Angle						
	3U0AngDbReplnt		10	s	1	100000

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				Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 39 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
U1 Amplitude						
U1DbReplnt		10	Type	1	100000	
U1ZeroDb		1000	m%	0	100000	
U1HiHiLim		150.0	%UB	0.0	200.0	
U1HiLim		120.0	%UB	0.0	200.0	
U1LowLim		80.0	%UB	0.0	200.0	
U1LowLowLim		60.0	%UB	0.0	200.0	
U1Min		50.0	%UB	0.0	200.0	
U1Max		200.0	%UB	0.0	200.0	
U1RepTyp		Cyclic				
U1LimHys		5.000	%	0.000	100.000	
U1 Angle						
U1AngDbReplnt		10	s	1	100000	
U2 Amplitude						
U2DbReplnt		10	Type	1	100000	
U2ZeroDb		1000	m%	0	100000	
U2HiHiLim		150.0	%UB	0.0	200.0	
U2HiLim		120.0	%UB	0.0	200.0	
U2LowLim		80.0	%UB	0.0	200.0	
U2LowLowLim		60.0	%UB	0.0	200.0	
U2Min		50.0	%UB	0.0	200.0	
U2Max		200.0	%UB	0.0	200.0	
U2RepTyp		Cyclic				
U2LimHys		5.000	%	0.000	100.000	
U2 Angle						
U2AngDbReplnt		10	s	1	100000	
VMSQI: 3						
General						
Operation		Off				
GlobalBaseSel		1		1	12	
UAmpPreComp5		0.000	%	-10.000	10.000	
UAmpPreComp30		0.000	%	-10.000	10.000	
UAmpPreComp100		0.000	%	-10.000	10.000	
3U0 Amplitude						
3U0DbReplnt		10	Type	1	100000	
3U0ZeroDb		1000	m%	0	100000	
3U0HiHiLim		150.0	%UB	0.0	200.0	
3U0HiLim		120.0	%UB	0.0	200.0	
3U0LowLim		80.0	%UB	0.0	200.0	
3U0LowLowLim		60.0	%UB	0.0	200.0	
3U0Min		50.0	%UB	0.0	200.0	
3U0Max		200.0	%UB	0.0	200.0	
3U0RepTyp		Cyclic				
3U0LimHys		5.000	%	0.000	100.000	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 40 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
3U0 Angle						
3U0AngDbReplnt		10	s	1	100000	
U1 Amplitude						
U1DbReplnt		10	Type	1	100000	
U1ZeroDb		1000	m%	0	100000	
U1HiHiLim		150.0	%UB	0.0	200.0	
U1HiLim		120.0	%UB	0.0	200.0	
U1LowLim		80.0	%UB	0.0	200.0	
U1LowLowLim		60.0	%UB	0.0	200.0	
U1Min		50.0	%UB	0.0	200.0	
U1Max		200.0	%UB	0.0	200.0	
U1RepTyp		Cyclic				
U1LimHys		5.000	%	0.000	100.000	
U1 Angle						
U1AngDbReplnt		10	s	1	100000	
U2 Amplitude						
U2DbReplnt		10	Type	1	100000	
U2ZeroDb		1000	m%	0	100000	
U2HiHiLim		150.0	%UB	0.0	200.0	
U2HiLim		120.0	%UB	0.0	200.0	
U2LowLim		80.0	%UB	0.0	200.0	
U2LowLowLim		60.0	%UB	0.0	200.0	
U2Min		50.0	%UB	0.0	200.0	
U2Max		200.0	%UB	0.0	200.0	
U2RepTyp		Cyclic				
U2LimHys		5.000	%	0.000	100.000	
U2 Angle						
U2AngDbReplnt		10	s	1	100000	
VMSQI: 4						
General						
Operation		Off				
GlobalBaseSel		1		1	12	
UAmpPreComp5		0.000	%	-10.000	10.000	
UAmpPreComp30		0.000	%	-10.000	10.000	
UAmpPreComp100		0.000	%	-10.000	10.000	
3U0 Amplitude						
3U0DbReplnt		10	Type	1	100000	
3U0ZeroDb		1000	m%	0	100000	
3U0HiHiLim		150.0	%UB	0.0	200.0	
3U0HiLim		120.0	%UB	0.0	200.0	
3U0LowLim		80.0	%UB	0.0	200.0	
3U0LowLowLim		60.0	%UB	0.0	200.0	
3U0Min		50.0	%UB	0.0	200.0	
3U0Max		200.0	%UB	0.0	200.0	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by	Rev. 0 3/4/2022	Rel. date Lan 41 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
3U0RepTyp			Cyclic			
3U0LimHys		5.000	%	0.000	100.000	
3U0 Angle						
3U0AngDbRepInt		10	s	1	100000	
U1 Amplitude						
U1DbRepInt		10	Type	1	100000	
U1ZeroDb		1000	m%	0	100000	
U1HiHiLim		150.0	%UB	0.0	200.0	
U1HiLim		120.0	%UB	0.0	200.0	
U1LowLim		80.0	%UB	0.0	200.0	
U1LowLowLim		60.0	%UB	0.0	200.0	
U1Min		50.0	%UB	0.0	200.0	
U1Max		200.0	%UB	0.0	200.0	
U1RepTyp		Cyclic				
U1LimHys		5.000	%	0.000	100.000	
U1 Angle						
U1AngDbRepInt		10	s	1	100000	
U2 Amplitude						
U2DbRepInt		10	Type	1	100000	
U2ZeroDb		1000	m%	0	100000	
U2HiHiLim		150.0	%UB	0.0	200.0	
U2HiLim		120.0	%UB	0.0	200.0	
U2LowLim		80.0	%UB	0.0	200.0	
U2LowLowLim		60.0	%UB	0.0	200.0	
U2Min		50.0	%UB	0.0	200.0	
U2Max		200.0	%UB	0.0	200.0	
U2RepTyp		Cyclic				
U2LimHys		5.000	%	0.000	100.000	
U2 Angle						
U2AngDbRepInt		10	s	1	100000	
_BI						
Monitoring						
LimitCounter						
L4UFCNT: 1						
Setting Group1						
Operation		Off				
CountType		Positive edge				
CounterLimit1		100		1	65535	
CounterLimit2		200		1	65535	
CounterLimit3		300		1	65535	
CounterLimit4		400		1	65535	
MaxValue		500		1	65535	
OnMaxValue		Stop				
InitialValue		0		0	65535	

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1	
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.		
Re v.	Modification	Rel. date	Created by	Based on		Approved by	Rev. 0	Rel. date 3/4/2022	Lang 42 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
L4UFCNT: 2						
Setting Group1						
Operation		Off				
CountType		Positive edge				
CounterLimit1		100		1	65535	
CounterLimit2		200		1	65535	
CounterLimit3		300		1	65535	
CounterLimit4		400		1	65535	
MaxValue		500		1	65535	
On.MaxValue		Stop				
InitialValue		0		0	65535	
L4UFCNT: 3						
Setting Group1						
Operation		Off				
CountType		Positive edge				
CounterLimit1		100		1	65535	
CounterLimit2		200		1	65535	
CounterLimit3		300		1	65535	
CounterLimit4		400		1	65535	
MaxValue		500		1	65535	
On.MaxValue		Stop				
InitialValue		0		0	65535	
Metering						
PulseCounter						
PCFCNT: 1						
Operation		Off				
EventMask		NoEvents				
CountCriteria		RisingEdge				
Scale		1.000		1.000	90000.000	
Quantity		Count				
tReporting		60	s	0	3600	
PCFCNT: 2						
Operation		Off				
EventMask		NoEvents				
CountCriteria		RisingEdge				
Scale		1.000		1.000	90000.000	
Quantity		Count				
tReporting		60	s	0	3600	
PCFCNT: 3						
Operation		Off				
EventMask		NoEvents				
CountCriteria		RisingEdge				
Scale		1.000		1.000	90000.000	
Quantity		Count				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commoco n]	PC Value [SG1/Commoco n]	Unit	Min	Max
tReporting			60	s	0	3600
_IBB_400kV						
Communication						
GOOSE interlock receive						
BAY401; GOOSEINTLKRCV: 1						
Operation			On			
BAY402; GOOSEINTLKRCV: 2						
Operation			On			
BAY403; GOOSEINTLKRCV: 3						
Operation			On			
BAY404; GOOSEINTLKRCV: 4						
Operation			On			
BAY405; GOOSEINTLKRCV: 5						
Operation			On			
BAY406; GOOSEINTLKRCV: 6						
Operation			On			
_LR_CNTRL						
Control						
ApparatusControl						
BayControl						
QCBAY: 1						
AllPSTOValid			Priority			
RemoteIncStation			Yes			
LocalRemote						
LOCREM: 1						
ControlMode			Internal LR-switch			
_BAY_QC_RES						
Control						
ApparatusControl						
BayReserve						
QCRSV: 1						
tCancelRes		10.000	s	0.000	60.000	
ParamRequest1		Only own bay res.				
ParamRequest2		Only own bay res.				
ParamRequest3		Only own bay res.				
ParamRequest4		Only own bay res.				
ParamRequest5		Only own bay res.				
ParamRequest6		Only own bay res.				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
Re v.	Modification	Rel. date	Created by	Based on			Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 44 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
ParamRequest7			Only own bay res.			
ParamRequest8			Only own bay res.			
QCRSV: 2						
tCancelRes		10.000	s	0.000	60.000	
ParamRequest1			Only own bay res.			
ParamRequest2			Only own bay res.			
ParamRequest3			Only own bay res.			
ParamRequest4			Only own bay res.			
ParamRequest5			Only own bay res.			
ParamRequest6			Only own bay res.			
ParamRequest7			Only own bay res.			
ParamRequest8			Only own bay res.			
_SYNC						
Control						
Synchronizing(25,SC/VC)						
SESRSYN: 1						
General						
GblBaseSelBus		1		1	12	
GblBaseSelLine		1		1	12	
SelPhaseBus1		Phase L2				
SelPhaseBus2		Phase L2				
SelPhaseLine1		Phase L2				
SelPhaseLine2		Phase L2				
CBCConfig		1 1/2 bus CB				
PhaseShift		0	Deg	-180	180	
Setting Group1						
Operation		On				
Synchronizing						
Setting Group1						
OperationSynch		Off				
UHighBusSynch		80.0	%UBB	50.0	120.0	
UHighLineSynch		80.0	%UBL	50.0	120.0	
UDiffSynch		0.10	pu	0.02	0.50	
FreqDiffMin		0.010	Hz	0.003	0.250	
FreqDiffMax		0.200	Hz	0.050	1.000	
FreqRateChange		0.300	Hz/s	0.000	0.500	
CloseAngleMax		15.0	Deg	15.0	30.0	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
Re. v.	Modification	Rel. date	Created by	Based on			Approved by	Rev. 0	Rel. date 3/4/2022	Lang en	45 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	tBreaker		0.080	s	0.000	1.000
	tClosePulse		0.200	s	0.050	60.000
	tMaxSynch		600.00	s	0.00	6000.00
	tMinSynch		2.000	s	0.000	60.000
Synchrocheck						
Setting Group1						
	OperationSC		On			
	UHighBusSC		80.0	%UBB	50.0	120.0
	UHighLineSC		80.0	%UBL	50.0	120.0
	UDiffSC		0.10	pu	0.02	0.50
	FreqDiffA		0.050	Hz	0.003	1.000
	FreqDiffM		0.050	Hz	0.003	1.000
	PhaseDiffA		15.0	Deg	5.0	90.0
	PhaseDiffM		15.0	Deg	5.0	90.0
	tSCA		0.100	s	0.000	60.000
	tSCM		0.100	s	0.000	60.000
Energizingcheck						
Setting Group1						
	AutoEnerg		Both			
	ManEnerg		Both			
	ManEnergDBDL		On			
	UHighBusEnerg		80.0	%UBB	50.0	120.0
	UHighLineEnerg		80.0	%UBL	50.0	120.0
	ULowBusEnerg		40.0	%UBB	10.0	80.0
	ULowLineEnerg		40.0	%UBL	10.0	80.0
	UMaxEnerg		115.0	%UB	50.0	180.0
	tAutoEnerg		0.100	s	0.000	60.000
	tManEnerg		0.100	s	0.000	60.000
ZP_LOGIC						
Logic						
LogicSRMemory						
SRMEMORY: 2						
Setting Group1						
Memory			On			
LogicTimerSet						
TIMERSET: 5						
Setting Group1						
Operation			On			
t		3.000	s	0.000	90000.000	
TIMERSET: 6						
Setting Group1						
Operation			On			
t		3.000	s	0.000	90000.000	
TIMERSET: 7						

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
Re. v.	Modification	Rel. date	Created by	Based on			Approved by	Rev. 0	Rel. date 3/4/2022	Lang en	46 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Setting Group1						
Operation		On				
t		1.000	s	0.000	90000.000	
_GOOSEBINRCV						
Communication						
GOOSE binary receive						
403 BCU; GOOSEBINRCV: 1						
Operation		On				
406 BCU; GOOSEBINRCV: 2						
Operation		On				
_Q52						
Control						
ApparatusControl						
CircuitBreaker						
SXCBR: 1						
tStartMove		0.100	s	0.000	60.000	
tIntermediate		0.150	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
InitialCount		0		0	20000	
SXCBR: 2						
tStartMove		0.100	s	0.000	60.000	
tIntermediate		0.150	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
InitialCount		0		0	20000	
SXCBR: 3						
tStartMove		0.100	s	0.000	60.000	
tIntermediate		0.150	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
InitialCount		0		0	20000	
SwitchController						
SCSWI: 1						
CtlModel		SBO Enh				
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commoco...]	PC Value [SG1/Commoco...]	Unit	Min	Max
	tExecutionFB		30.00	s	0.00	600.00
	tPoleDiscord		2.000	s	0.000	60.000
	SuppressMidPos		On			
	InterlockChk		Sel & Op phase			
Logic						
LogicSRMemory						
SRMEMORY: 3						
Setting Group1						
Memory		On				
LogicTimerSet						
TIMERSET: 4						
Setting Group1						
Operation		On				
t		0.100	s	0.000	90000.000	
_89BE						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 4						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType		Disconnecter				
InitialCount		0		0	20000	
SwitchController						
SCSWI: 5						
CtlModel		SBO Enh				
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk		Sel & Op phase				
_89B						
Control						
ApparatusControl						
CircuitSwitch						

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.		
Re... v.	Modification	Rel. date	Created by	Based on		Approved by		Rev. 0	Rel. date 3/4/2022	Lang en	48 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
SXSWI: 2						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType		Disconnecter				
InitialCount		0		0	20000	
SwitchController						
SCSWI: 3						
CtlModel		SBO Enh				
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk		Sel & Op phase				
_89A						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 1						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType		Disconnecter				
InitialCount		0		0	20000	
SwitchController						
SCSWI: 2						
CtlModel		SBO Enh				
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
SuppressMidPos			On			
InterlockChk			Sel & Op phase			
<u>_89AE</u>						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 3						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType		Disconnecter				
InitialCount		0		0	20000	
SwitchController						
SCSWI: 4						
CtlModel		SBO Enh				
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk		Sel & Op phase				
<u>_89GT</u>						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 5						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType		Disconnecter				
InitialCount		0		0	20000	
SwitchController						
SCSWI: 6						
CtlModel		SBO Enh				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk		Sel & Op phase				
_89LE						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 6						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType		Disconnecter				
InitialCount		0		0	20000	
SwitchController						
SCSWI: 7						
CtlModel		SBO Enh				
PosDependent		Always permitted				
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk		Sel & Op phase				
_BUS1ES_M1189E						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 7						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse		Not adaptive				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 51 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	tOpenPulse		0.200	s	0.000	60.000
	tClosePulse		0.200	s	0.000	60.000
	SwitchType		Disconnecto	r		
	InitialCount		0		0	20000
SwitchController						
SCSWI: 8						
CtlModel			SBO Enh			
PosDependent			Always permitted			
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk			Sel & Op phase			
BUS1ISO_M1189						
Control						
ApparatusControl						
CircuitSwitch						
SXSWI: 8						
tStartMove		3.000	s	0.000	60.000	
tIntermediate		15.000	s	0.000	60.000	
AdaptivePulse			Not adaptive			
tOpenPulse		0.200	s	0.000	60.000	
tClosePulse		0.200	s	0.000	60.000	
SwitchType			Disconnecto	r		
InitialCount		0		0	20000	
SwitchController						
SCSWI: 9						
CtlModel			SBO Enh			
PosDependent			Always permitted			
tSelect		30.00	s	0.00	600.00	
tResResponse		5.000	s	0.000	60.000	
tSynchrocheck		10.00	s	0.00	600.00	
tSynchronizing		0.00	s	0.00	600.00	
tExecutionFB		30.00	s	0.00	600.00	
tPoleDiscord		2.000	s	0.000	60.000	
SuppressMidPos		On				
InterlockChk			Sel & Op phase			
_TRIP_RESET						

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.		
Re v.	Modification	Rel. date	Created by	Based on		Approved by		Rev. 0	Rel. date 3/4/2022	Lang en	52 / 107

Group / Parameter Name		IED Value [SG1/Commom...]	PC Value [SG1/Commom...]	Unit	Min	Max
Control						
Commands						
SinglePointControl						
SPC8GAPC: 1						
Operation		On				
PulseMode1		Pulsed				
tPulse1	0.10	s	0.01	6000.00		
PulseMode2		Pulsed				
tPulse2	0.10	s	0.01	6000.00		
PulseMode3		Pulsed				
tPulse3	0.10	s	0.01	6000.00		
PulseMode4		Pulsed				
tPulse4	0.10	s	0.01	6000.00		
PulseMode5		Pulsed				
tPulse5	0.10	s	0.01	6000.00		
PulseMode6		Pulsed				
tPulse6	0.10	s	0.01	6000.00		
PulseMode7		Pulsed				
tPulse7	0.10	s	0.01	6000.00		
PulseMode8		Pulsed				
tPulse8	0.10	s	0.01	6000.00		
SPC8GAPC: 2						
Operation		On				
PulseMode1		Pulsed				
tPulse1	0.10	s	0.01	6000.00		
PulseMode2		Pulsed				
tPulse2	0.10	s	0.01	6000.00		
PulseMode3		Pulsed				
tPulse3	0.10	s	0.01	6000.00		
PulseMode4		Pulsed				
tPulse4	0.10	s	0.01	6000.00		
PulseMode5		Pulsed				
tPulse5	0.10	s	0.01	6000.00		
PulseMode6		Pulsed				
tPulse6	0.10	s	0.01	6000.00		
PulseMode7		Pulsed				
tPulse7	0.10	s	0.01	6000.00		
PulseMode8		Pulsed				
tPulse8	0.10	s	0.01	6000.00		
ZP IN SERVICE; SPC8GAPC: 3						
Operation		On				
PulseMode1		Pulsed				
tPulse1	0.10	s	0.01	6000.00		
PulseMode2		Pulsed				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
Re... v.	Modification	Rel. date	Created by	Based on		Approved by		Rev. 0	Rel. date 3/4/2022	Lang en	53 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	tPulse2	0.10	s	0.01	6000.00	
	PulseMode3	Pulsed				
	tPulse3	0.10	s	0.01	6000.00	
	PulseMode4	Pulsed				
	tPulse4	0.10	s	0.01	6000.00	
	PulseMode5	Pulsed				
	tPulse5	0.10	s	0.01	6000.00	
	PulseMode6	Pulsed				
	tPulse6	0.10	s	0.01	6000.00	
	PulseMode7	Pulsed				
	tPulse7	0.10	s	0.01	6000.00	
	PulseMode8	Pulsed				
	tPulse8	0.10	s	0.01	6000.00	
VersatileSwitch						
VSGAPC: 1						
	Operation	Off				
	CtlModel	Dir Norm				
	Mode	Pulsed				
	tSelect	30.000	s	0.000	600.000	
	tPulse	0.200	s	0.000	60.000	
	NAME_UND	P00			16 characters	
	NAM_POS1	P01			16 characters	
	NAM_POS2	P10			16 characters	
	NAME_BAD	P11			16 characters	
Logic						
LogicSRMemory						
SRMEMORY: 4						
Setting Group1						
	Memory	On				
SRMEMORY: 5						
Setting Group1						
	Memory	On				
SRMEMORY: 6						
Setting Group1						
	Memory	On				
SRMEMORY: 7						
Setting Group1						
	Memory	On				
SRMEMORY: 9						
Setting Group1						
	Memory	On				
I_PROT						
Current protection						
InstPhaseOverCurrent(50,3I>>)						

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
PHPIOC: 1						
GlobalBaseSel		1			1	12
Setting Group1						
Operation		On				
OpMode		1 out of 3				
IP>>		500	%IB	5	2500	
IP>>Max		2500	%IB	5	2500	
IP>>Min		5	%IB	5	2500	
StValMult		1.0		0.5	5.0	
InstResidualOverCurrent(50N,IN>>)						
EFPIOC: 1						
GlobalBaseSel		1			1	12
Setting Group1						
Operation		On				
IN>>		500	%IB	5	2500	
IN>>Max		2500	%IB	5	2500	
IN>>Min		5	%IB	5	2500	
StValMult		1.0		0.5	5.0	
PhaseOverCurrent4Step(51_67,4(3I>))						
OC4PTOC: 1						
General						
GlobalBaseSel		1			1	12
MeasType		DFT				
Setting Group1						
Operation		On				
AngleRCA		55	Deg	40	65	
AngleROA		80	Deg	40	89	
StartPhSel		1 out of 3				
IMinOpPhSel		7	%IB	1	100	
2ndHarmStab		20	%	5	100	
Step 1						
Setting Group1						
DirMode1		Non-directional				
Characterist1		IEC Very inv.				
I1>		40	%IB	5	2500	
I1>Max		2500	%IB	5	2500	
I1>Min		40	%IB	5	2500	
t1		0.000	s	0.000	60.000	
k1		0.80		0.05	999.00	
IMin1		40	%IB	1	1000	
t1Min		0.000	s	0.000	60.000	
I1Mult		1.0		1.0	10.0	
ResetTypeCrv1		Instantaneous				
tReset1		0.020	s	0.000	60.000	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
tPCrv1		1.000		0.005		3.000
tACrv1		13.500		0.005		200.000
tBCrv1		0.00		0.00		20.00
tCCrv1		1.0		0.1		10.0
tPRCrv1		0.500		0.005		3.000
tTRCrv1		13.500		0.005		100.000
tCRCrv1		1.0		0.1		10.0
HarmBlock1		Off				
Step 2						
Setting Group1						
DirMode2		Off				
Characterist2		ANSI Def. Time				
I2>		500		%IB		5
I2>Max		2500		%IB		5
I2>Min		5		%IB		2500
t2		0.400		s		0.000
k2		0.05				999.00
IMin2		50		%IB		1
t2Min		0.000		s		60.000
I2Mult		2.0				10.0
ResetTypeCrv2		Instantaneous				
tReset2		0.020		s		60.000
tPCrv2		1.000				0.005
tACrv2		13.500				200.000
tBCrv2		0.00				20.00
tCCrv2		1.0				10.0
tPRCrv2		0.500				3.000
tTRCrv2		13.500				100.000
tCRCrv2		1.0				10.0
HarmBlock2		Off				
Step 3						
Setting Group1						
DirMode3		Off				
Characterist3		ANSI Def. Time				
I3>		250		%IB		5
I3>Max		2500		%IB		2500
I3>Min		5		%IB		2500
t3		0.800		s		0.000
k3		0.05				999.00
IMin3		33		%IB		1
t3Min		0.000		s		60.000
I3Mult		2.0				10.0
ResetTypeCrv3		Instantaneous				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	tReset3		0.020	s	0.000	60.000
	tPCrv3		1.000		0.005	3.000
	tACrv3		13.500		0.005	200.000
	tBCrv3		0.00		0.00	20.00
	tCCrv3		1.0		0.1	10.0
	tPRCrv3		0.500		0.005	3.000
	tTRCrv3		13.500		0.005	100.000
	tCRCrv3		1.0		0.1	10.0
	HarmBlock3		Off			
Step 4						
Setting Group1						
DirMode4			Off			
Characterist4			ANSI Def. Time			
I4>		175	%IB	5	2500	
I4>Max		2500	%IB	5	2500	
I4>Min		5	%IB	5	2500	
t4		2.000	s	0.000	60.000	
k4		0.05		0.05	999.00	
IMin4		17	%IB	1	1000	
t4Min		0.000	s	0.000	60.000	
I4Mult		2.0		1.0	10.0	
ResetTypeCrv4		Instantaneous				
tReset4		0.020	s	0.000	60.000	
tPCrv4		1.000		0.005	3.000	
tACrv4		13.500		0.005	200.000	
tBCrv4		0.00		0.00	20.00	
tCCrv4		1.0		0.1	10.0	
tPRCrv4		0.500		0.005	3.000	
tTRCrv4		13.500		0.005	100.000	
tCRCrv4		1.0		0.1	10.0	
HarmBlock4		Off				
ResidualOverCurr4Step(51N_67N,4(IN>))						
EF4PTOC: 1						
General						
GlobalBaseSel		1		1	12	
SeqTypeIDir		Zero seq				
SeqTypeIPol		Zero seq				
SeqTypeUPol		Zero seq				
Setting Group1						
Operation		On				
EnDir		Enable				
AngleRCA		65	Deg	-180	180	
PolMethod		Voltage				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	UPolMin		1	%UB	1	100
	IPolMin		5	%IB	2	100
	RNPol		5.00	Ohm	0.50	1000.00
	XNPol		40.00	Ohm	0.50	3000.00
	IN>Dir		10	%IB	1	100
	2ndHarmStab		20	%	5	100
	BlkParTransf		Off			
	UseStartValue		IN4>			
	SOTF		Off			
	ActivationSOTF		Open			
	StepForSOTF		Step 2			
	HarmBlkSOTF		Off			
	tSOTF	0.200	s	0.000	60.000	
	t4U	1.000	s	0.000	60.000	
	ActUnderTime		CB position			
	tUnderTime	0.300	s	0.000	60.000	
	EnPhaseSel		Off			
Step 1						
Setting Group1						
	DirMode1		Non-directional			
	Characterist1		IEC Very inv.			
	IN1>	40	%IB	1	2500	
	IN1>Max	2500	%IB	1	2500	
	IN1>Min	40	%IB	1	2500	
	t1	0.000	s	0.000	60.000	
	k1	0.80		0.05	999.00	
	IMin1	40.00	%IB	1.00	2000.00	
	t1Min	0.000	s	0.000	60.000	
	IN1Mult	1.0		1.0	10.0	
	ResetTypeCrv1		Instantaneous			
	tReset1	0.020	s	0.000	60.000	
	HarmBlock1		On			
	tPCrv1	1.000		0.005	3.000	
	tACrv1	13.500		0.005	200.000	
	tBCrv1	0.00		0.00	20.00	
	tCCrv1	1.0		0.1	10.0	
	tPRCrv1	0.500		0.005	3.000	
	tTRCrv1	13.500		0.005	100.000	
	tCRCrv1	1.0		0.1	10.0	
Step 2						
Setting Group1						
	DirMode2		Off			
	Characterist2		ANSI Def. Time			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	IN2>		50	%IB	1	2500
	IN2>Max		2500	%IB	1	2500
	IN2>Min		1	%IB	1	2500
	t2	0.400	s	0.000	60.000	
	k2	0.05		0.05	999.00	
	IMin2	50.00	%IB	1.00	2000.00	
	t2Min	0.000	s	0.000	60.000	
	IN2Mult	2.0		1.0	10.0	
	ResetTypeCrv2		Instantaneous			
	tReset2	0.020	s	0.000	60.000	
	HarmBlock2	On				
	tPCrv2	1.000		0.005	3.000	
	tACrv2	13.500		0.005	200.000	
	tBCrv2	0.00		0.00	20.00	
	tCCrv2	1.0		0.1	10.0	
	tPRCrv2	0.500		0.005	3.000	
	tTRCrv2	13.500		0.005	100.000	
	tCRCrv2	1.0		0.1	10.0	
Step 3						
Setting Group1						
	DirMode3		Off			
	Characterist3		ANSI Def. Time			
	IN3>	33	%IB	1	2500	
	IN3>Max	2500	%IB	1	2500	
	IN3>Min	1	%IB	1	2500	
	t3	0.800	s	0.000	60.000	
	k3	0.05		0.05	999.00	
	IMin3	33.00	%IB	1.00	2000.00	
	t3Min	0.000	s	0.000	60.000	
	IN3Mult	2.0		1.0	10.0	
	ResetTypeCrv3		Instantaneous			
	tReset3	0.020	s	0.000	60.000	
	HarmBlock3	On				
	tPCrv3	1.000		0.005	3.000	
	tACrv3	13.500		0.005	200.000	
	tBCrv3	0.00		0.00	20.00	
	tCCrv3	1.0		0.1	10.0	
	tPRCrv3	0.500		0.005	3.000	
	tTRCrv3	13.500		0.005	100.000	
	tCRCrv3	1.0		0.1	10.0	
Step 4						
Setting Group1						
	DirMode4		Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Characterist4		ANSI Def. Time				
IN4>		17	%IB	1	2500	
IN4>Max		2500	%IB	1	2500	
IN4>Min		1	%IB	1	2500	
t4		1.200	s	0.000	60.000	
k4		0.05		0.05	999.00	
IMin4		17.00	%IB	1.00	2000.00	
t4Min		0.000	s	0.000	60.000	
IN4Mult		2.0		1.0	10.0	
ResetTypeCrv4		Instantaneous				
tReset4		0.020	s	0.000	60.000	
HarmBlock4		On				
tPCrv4		1.000		0.005	3.000	
tACrv4		13.500		0.005	200.000	
tBCrv4		0.00		0.00	20.00	
tCCrv4		1.0		0.1	10.0	
tPRCrv4		0.500		0.005	3.000	
tTRCrv4		13.500		0.005	100.000	
tCRCrv4		1.0		0.1	10.0	
_UV						
Current protection						
DirOverPower(32,P>)						
GOPPDOP: 1						
General						
GlobalBaseSel		1		1	12	
Mode		Pos Seq				
Setting Group1						
Operation		Off				
k		0.000		0.000	0.999	
IAmpComp5		0.000	%	-10.000	10.000	
IAmpComp30		0.000	%	-10.000	10.000	
IAmpComp100		0.000	%	-10.000	10.000	
UAmplComp5		0.000	%	-10.000	10.000	
UAmplComp30		0.000	%	-10.000	10.000	
UAmplComp100		0.000	%	-10.000	10.000	
IAngComp5		0.000	Deg	-10.000	10.000	
IAngComp30		0.000	Deg	-10.000	10.000	
IAngComp100		0.000	Deg	-10.000	10.000	
Step 1						
Setting Group1						
OpMode1		Off				
Power1		12.0	%SB	0.0	500.0	
Angle1		0.0	Deg	-180.0	180.0	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TripDelay1			0.01	s	0.01	6000.00
DropDelay1			0.01	s	0.01	6000.00
Hysteresis1			0.5	%SB	0.2	5.0
Step 2						
Setting Group1						
OpMode2			Off			
Power2			120.0	%SB	0.0	500.0
Angle2			0.0	Deg	-180.0	180.0
TripDelay2			1.00	s	0.01	6000.00
DropDelay2			0.06	s	0.01	6000.00
Hysteresis2			0.5	%SB	0.2	5.0
DirUnderPower(37,P<)						
GUPPDUP: 1						
General						
GlobalBaseSel			1		1	12
Mode			Pos Seq			
Setting Group1						
Operation			Off			
k			0.000		0.000	0.999
IAmpComp5			0.000	%	-10.000	10.000
IAmpComp30			0.000	%	-10.000	10.000
IAmpComp100			0.000	%	-10.000	10.000
UAmpComp5			0.000	%	-10.000	10.000
UAmpComp30			0.000	%	-10.000	10.000
UAmpComp100			0.000	%	-10.000	10.000
IAngComp5			0.000	Deg	-10.000	10.000
IAngComp30			0.000	Deg	-10.000	10.000
IAngComp100			0.000	Deg	-10.000	10.000
Step 1						
Setting Group1						
OpMode1			Off			
Power1			3.0	%SB	0.0	500.0
Angle1			0.0	Deg	-180.0	180.0
TripDelay1			0.20	s	0.01	6000.00
DropDelay1			0.06	s	0.01	6000.00
Hysteresis1			0.5	%SB	0.2	5.0
Step 2						
Setting Group1						
OpMode2			Off			
Power2			1.0	%SB	0.0	500.0
Angle2			0.0	Deg	-180.0	180.0
TripDelay2			1.00	s	0.01	6000.00
DropDelay2			0.06	s	0.01	6000.00
Hysteresis2			0.5	%SB	0.2	5.0

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				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Voltage protection						
LossOfVoltage(27,3U<)						
LOVPTUV: 1						
GlobalBaseSel		1		1	12	
Setting Group1						
Operation		Off				
UPE		70	%UB	1	100	
tTrip		7.000	s	0.000	60.000	
tPulse		0.150	s	0.050	60.000	
tBlock		5.000	s	0.000	60.000	
tRestore		3.000	s	0.000	60.000	
OverVoltage2Step(59,2(3U>))						
OV2PTOV: 1						
General						
GlobalBaseSel		1		1	12	
ConnType		PhN DFT				
Setting Group1						
Operation		Off				
Step 1						
Setting Group1						
OperationStep1		Off				
Characterist1		Definite time				
OpMode1		1 out of 3				
U1>		80.0	%UB	1.0	200.0	
t1		0.00	s	0.00	6000.00	
tReset1		0.025	s	0.000	60.000	
t1Min		0.000	s	0.000	60.000	
ResetTypeCrv1		Instantaneous				
tIReset1		0.025	s	0.000	60.000	
k1		0.05		0.05	1.10	
ACrv1		1.000		0.005	200.000	
BCrv1		1.00		0.50	100.00	
CCrv1		0.0		0.0	1.0	
DCrv1		0.000		0.000	60.000	
PCrv1		1.000		0.000	3.000	
CrvSat1		0	%	0	100	
HystAbs1		0.5	%UB	0.0	50.0	
Step 2						
Setting Group1						
OperationStep2		Off				
Characterist2		Definite time				
OpMode2		1 out of 3				
U2>		150.0	%UB	1.0	200.0	
t2		5.000	s	0.000	60.000	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	tReset2		0.025	s	0.000	60.000
	t2Min		5.000	s	0.000	60.000
	ResetTypeCrv2		Instantaneous			
	tIReset2		0.025	s	0.000	60.000
	k2		0.05		0.05	1.10
	ACrv2		1.000		0.005	200.000
	BCrv2		1.00		0.50	100.00
	CCrv2		0.0		0.0	1.0
	DCrv2		0.000		0.000	60.000
	PCrv2		1.000		0.000	3.000
	CrSat2		0	%	0	100
	HystAbs2		0.5	%UB	0.0	50.0
UnderVoltage2Step(27,2(3U<))						
UV2PTUV: 1						
General						
	GlobalBaseSel		1		1	12
	ConnType		PhN DFT			
Setting Group1						
	Operation		Off			
Step 1						
Setting Group1						
	OperationStep1		Off			
	Characterist1		Definite time			
	OpMode1		1 out of 3			
	U1<		70.0	%UB	1.0	100.0
	t1		5.00	s	0.00	6000.00
	tReset1		0.025	s	0.000	60.000
	t1Min		5.000	s	0.000	60.000
	ResetTypeCrv1		Instantaneous			
	tIReset1		0.025	s	0.000	60.000
	k1		0.05		0.05	1.10
	ACrv1		1.000		0.005	200.000
	BCrv1		1.00		0.50	100.00
	CCrv1		0.0		0.0	1.0
	DCrv1		0.000		0.000	60.000
	PCrv1		1.000		0.000	3.000
	CrSat1		0	%	0	100
	IntBlkSel1		Off			
	IntBlkStVal1		20	%UB	1	50
	tBlkUV1		0.000	s	0.000	60.000
	HystAbs1		0.5	%UB	0.0	50.0
Step 2						
Setting Group1						
	OperationStep2		Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max		
Characterist2		Definite time						
OpMode2		1 out of 3						
U2<		50.0	%UB	1.0	100.0			
t2		5.000	s	0.000	60.000			
tReset2		0.025	s	0.000	60.000			
t2Min		5.000	s	0.000	60.000			
ResetTypeCrv2		Instantaneous						
tIReset2		0.025	s	0.000	60.000			
k2		0.05		0.05	1.10			
ACrv2		1.000		0.005	200.000			
BCrv2		1.00		0.50	100.00			
CCrv2		0.0		0.0	1.0			
DCrv2		0.000		0.000	60.000			
PCrv2		1.000		0.000	3.000			
CrvSat2		0	%	0	100			
IntBlkSel2		Off						
IntBlkStVal2		20	%UB	1	50			
tBlkUV2		0.000	s	0.000	60.000			
HystAbs2		0.5	%UB	0.0	50.0			
<u>_DR_AI</u>								
Monitoring								
DisturbanceReport								
AnalogSignals								
A1RADR: 1								
General								
NAME1		IL1		16 characters				
Operation01		On						
NomValue01		0.0		0.0	999999.9			
UnderTrigOp01		Off						
UnderTrigLe01		50	%	0	200			
OverTrigOp01		Off						
OverTrigLe01		200	%	0	5000			
NAME2		IL2		16 characters				
Operation02		On						
NomValue02		0.0		0.0	999999.9			
UnderTrigOp02		Off						
UnderTrigLe02		50	%	0	200			
OverTrigOp02		Off						
OverTrigLe02		200	%	0	5000			
NAME3		IL3		16 characters				
Operation03		On						
NomValue03		0.0		0.0	999999.9			
UnderTrigOp03		Off						
UnderTrigLe03		50	%	0	200			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	OverTrigOp03		Off			
	OverTrigLe03		200	%	0	5000
	NAME4		IN			16 characters
	Operation04		On			
	NomValue04		0.0		0.0	999999.9
	UnderTrigOp04		Off			
	UnderTrigLe04		50	%	0	200
	OverTrigOp04		Off			
	OverTrigLe04		200	%	0	5000
	NAME5		UL1			16 characters
	Operation05		On			
	NomValue05		0.0		0.0	999999.9
	UnderTrigOp05		Off			
	UnderTrigLe05		50	%	0	200
	OverTrigOp05		Off			
	OverTrigLe05		200	%	0	5000
	NAME6		UL2			16 characters
	Operation06		On			
	NomValue06		0.0		0.0	999999.9
	UnderTrigOp06		Off			
	UnderTrigLe06		50	%	0	200
	OverTrigOp06		Off			
	OverTrigLe06		200	%	0	5000
	NAME7		UL3			16 characters
	Operation07		On			
	NomValue07		0.0		0.0	999999.9
	UnderTrigOp07		Off			
	UnderTrigLe07		50	%	0	200
	OverTrigOp07		Off			
	OverTrigLe07		200	%	0	5000
	NAME8		UN			16 characters
	Operation08		On			
	NomValue08		0.0		0.0	999999.9
	UnderTrigOp08		Off			
	UnderTrigLe08		50	%	0	200
	OverTrigOp08		Off			
	OverTrigLe08		200	%	0	5000
	NAME9		BUS1 UL1			16 characters
	Operation09		On			
	NomValue09		0.0		0.0	999999.9
	UnderTrigOp09		Off			
	UnderTrigLe09		50	%	0	200
	OverTrigOp09		Off			
	OverTrigLe09		200	%	0	5000

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME10			BUS1 UL2			16 characters
Operation10			On			
NomValue10			0.0		0.0	999999.9
UnderTrigOp10			Off			
UnderTrigLe10			50	%	0	200
OverTrigOp10			Off			
OverTrigLe10			200	%	0	5000
A2RADR: 2						
General						
NAME11			BUS1 UL3			16 characters
Operation11			On			
NomValue11			0.0		0.0	999999.9
UnderTrigOp11			Off			
UnderTrigLe11			50	%	0	200
OverTrigOp11			Off			
OverTrigLe11			200	%	0	5000
NAME12			Not used			16 characters
Operation12			Off			
NomValue12			0.0		0.0	999999.9
UnderTrigOp12			Off			
UnderTrigLe12			50	%	0	200
OverTrigOp12			Off			
OverTrigLe12			200	%	0	5000
NAME13			Not used			16 characters
Operation13			Off			
NomValue13			0.0		0.0	999999.9
UnderTrigOp13			Off			
UnderTrigLe13			50	%	0	200
OverTrigOp13			Off			
OverTrigLe13			200	%	0	5000
NAME14			Not used			16 characters
Operation14			Off			
NomValue14			0.0		0.0	999999.9
UnderTrigOp14			Off			
UnderTrigLe14			50	%	0	200
OverTrigOp14			Off			
OverTrigLe14			200	%	0	5000
NAME15			Not used			16 characters
Operation15			Off			
NomValue15			0.0		0.0	999999.9
UnderTrigOp15			Off			
UnderTrigLe15			50	%	0	200
OverTrigOp15			Off			
OverTrigLe15			200	%	0	5000

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME16			Not used			16 characters
Operation16			Off			
NomValue16		0.0		0.0		999999.9
UnderTrigOp16		Off				
UnderTrigLe16		50	%	0		200
OverTrigOp16		Off				
OverTrigLe16		200	%	0		5000
NAME17		Not used				16 characters
Operation17		Off				
NomValue17		0.0		0.0		999999.9
UnderTrigOp17		Off				
UnderTrigLe17		50	%	0		200
OverTrigOp17		Off				
OverTrigLe17		200	%	0		5000
NAME18		Not used				16 characters
Operation18		Off				
NomValue18		0.0		0.0		999999.9
UnderTrigOp18		Off				
UnderTrigLe18		50	%	0		200
OverTrigOp18		Off				
OverTrigLe18		200	%	0		5000
NAME19		Not used				16 characters
Operation19		Off				
NomValue19		0.0		0.0		999999.9
UnderTrigOp19		Off				
UnderTrigLe19		50	%	0		200
OverTrigOp19		Off				
OverTrigLe19		200	%	0		5000
NAME20		Not used				16 characters
Operation20		Off				
NomValue20		0.0		0.0		999999.9
UnderTrigOp20		Off				
UnderTrigLe20		50	%	0		200
OverTrigOp20		Off				
OverTrigLe20		200	%	0		5000
<u>_DR_BI</u>						
Monitoring						
DisturbanceReport						
BinarySignals						
B1RBDR: 1						
General						
NAME1		86A_OPTD			16 characters	
TrigDR01		On				
TrigLevel01		Trig on 1				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	IndicationMa01		Show			
	SetLED01		Off			
	NAME2		86B_OPTD			16 characters
	TrigDR02		On			
	TrigLevel02		Trig on 1			
	IndicationMa02		Show			
	SetLED02		Off			
	NAME3		OC RLY FAULTY			16 characters
	TrigDR03		Off			
	TrigLevel03		Trig on 1			
	IndicationMa03		Hide			
	SetLED03		Off			
	NAME4		DR TRIGGER FNKEY			16 characters
	TrigDR04		Off			
	TrigLevel04		Trig on 1			
	IndicationMa04		Hide			
	SetLED04		Off			
	NAME5		CB_DC_SUP1 _FL			16 characters
	TrigDR05		Off			
	TrigLevel05		Trig on 1			
	IndicationMa05		Hide			
	SetLED05		Off			
	NAME6		LOW AIR PRESURE			16 characters
	TrigDR06		Off			
	TrigLevel06		Trig on 1			
	IndicationMa06		Hide			
	SetLED06		Off			
	NAME7		PD ALARM			16 characters
	TrigDR07		On			
	TrigLevel07		Trig on 1			
	IndicationMa07		Show			
	SetLED07		Off			
	NAME8		SF6_TR/CL_B LK			16 characters
	TrigDR08		On			
	TrigLevel08		Trig on 1			
	IndicationMa08		Show			
	SetLED08		Off			
	NAME9		CB_SPR_NT_ CHG			16 characters
	TrigDR09		On			
	TrigLevel09		Trig on 1			

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	IndicationMa09		Show			
	SetLED09		Off			
	NAME10		CB_IN_REMOTE			16 characters
	TrigDR10		Off			
	TrigLevel10		Trig on 1			
	IndicationMa10		Hide			
	SetLED10		Off			
	NAME11		LOW AIR/GAS PRES			16 characters
	TrigDR11		Off			
	TrigLevel11		Trig on 1			
	IndicationMa11		Hide			
	SetLED11		Off			
	NAME12		LOW OIL LVL AL			16 characters
	TrigDR12		Off			
	TrigLevel12		Trig on 1			
	IndicationMa12		Hide			
	SetLED12		Off			
	NAME13		CB_MAN_OP_ CMD			16 characters
	TrigDR13		On			
	TrigLevel13		Trig on 1			
	IndicationMa13		Hide			
	SetLED13		Off			
	NAME14		CB_MAN_CL_ CMD			16 characters
	TrigDR14		On			
	TrigLevel14		Trig on 1			
	IndicationMa14		Show			
	SetLED14		Off			
	NAME15		NEGATIVE CLOSE			16 characters
	TrigDR15		Off			
	TrigLevel15		Trig on 1			
	IndicationMa15		Hide			
	SetLED15		Off			
	NAME16		S.A._CNTR DISP			16 characters
	TrigDR16		Off			
	TrigLevel16		Trig on 1			
	IndicationMa16		Hide			
	SetLED16		Off			
IEC60870-5-103						
	FunType1		0		0	255

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	InfNo1	0		0	0	255
	FunType2	0		0	0	255
	InfNo2	0		0	0	255
	FunType3	0		0	0	255
	InfNo3	0		0	0	255
	FunType4	0		0	0	255
	InfNo4	0		0	0	255
	FunType5	0		0	0	255
	InfNo5	0		0	0	255
	FunType6	0		0	0	255
	InfNo6	0		0	0	255
	FunType7	0		0	0	255
	InfNo7	0		0	0	255
	FunType8	0		0	0	255
	InfNo8	0		0	0	255
	FunType9	0		0	0	255
	InfNo9	0		0	0	255
	FunType10	0		0	0	255
	InfNo10	0		0	0	255
	FunType11	0		0	0	255
	InfNo11	0		0	0	255
	FunType12	0		0	0	255
	InfNo12	0		0	0	255
	FunType13	0		0	0	255
	InfNo13	0		0	0	255
	FunType14	0		0	0	255
	InfNo14	0		0	0	255
	FunType15	0		0	0	255
	InfNo15	0		0	0	255
	FunType16	0		0	0	255
	InfNo16	0		0	0	255
B2RBDR: 2						
General						
NAME17			DC SRC1 MCB TRIP			16 characters
TrigDR17			Off			
TrigLevel17			Trig on 1			
IndicationMa17			Hide			
SetLED17			Off			
NAME18			DC SRC1 FAIL			16 characters
TrigDR18			Off			
TrigLevel18			Trig on 1			
IndicationMa18			Hide			
SetLED18			Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME19			M1 BBP RLY FL			16 characters
TrigDR19			Off			
TrigLevel19			Trig on 1			
IndicationMa19			Hide			
SetLED19			Off			
NAME20			BB/LBB OPTD-M2			16 characters
TrigDR20			On			
TrigLevel20			Trig on 1			
IndicationMa20			Show			
SetLED20			Off			
NAME21			LBB INITIATION			16 characters
TrigDR21			On			
TrigLevel21			Trig on 1			
IndicationMa21			Show			
SetLED21			Off			
NAME22			CB MAN CLOSE GEN			16 characters
TrigDR22			On			
TrigLevel22			Trig on 1			
IndicationMa22			Show			
SetLED22			Off			
NAME23			M2 BBP RLY FL			16 characters
TrigDR23			Off			
TrigLevel23			Trig on 1			
IndicationMa23			Hide			
SetLED23			Off			
NAME24			BB/LBB OPTD-M1			16 characters
TrigDR24			On			
TrigLevel24			Trig on 1			
IndicationMa24			Show			
SetLED24			Off			
NAME25			89A_REMOTE			16 characters
TrigDR25			Off			
TrigLevel25			Trig on 1			
IndicationMa25			Hide			
SetLED25			Off			
NAME26			89B_REMOTE			16 characters
TrigDR26			Off			
TrigLevel26			Trig on 1			
IndicationMa26			Show			
SetLED26			Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME27			89T_REMOTE			16 characters
TrigDR27			Off			
TrigLevel27			Trig on 1			
IndicationMa27			Show			
SetLED27			Off			
NAME28			Not used			16 characters
TrigDR28			Off			
TrigLevel28			Trig on 1			
IndicationMa28			Hide			
SetLED28			Off			
NAME29			Not used			16 characters
TrigDR29			Off			
TrigLevel29			Trig on 1			
IndicationMa29			Hide			
SetLED29			Off			
NAME30			POSITIVE GUARD			16 characters
TrigDR30			On			
TrigLevel30			Trig on 1			
IndicationMa30			Show			
SetLED30			Off			
NAME31			89A_MOTOR_ TROUBL			16 characters
TrigDR31			Off			
TrigLevel31			Trig on 1			
IndicationMa31			Hide			
SetLED31			Off			
NAME32			89B_MOTOR_ TROUBL			16 characters
TrigDR32			Off			
TrigLevel32			Trig on 1			
IndicationMa32			Hide			
SetLED32			Off			
IEC60870-5-103						
FunType17		0		0	255	
InfNo17		0		0	255	
FunType18		0		0	255	
InfNo18		0		0	255	
FunType19		0		0	255	
InfNo19		0		0	255	
FunType20		0		0	255	
InfNo20		0		0	255	
FunType21		0		0	255	
InfNo21		0		0	255	
FunType22		0		0	255	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
Re. v.	Modification	Rel. date	Created by	Based on			Approved by	Rev. 0	Rel. date 3/4/2022	Lang en	72 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	InfNo22		0		0	255
	FunType23		0		0	255
	InfNo23		0		0	255
	FunType24		0		0	255
	InfNo24		0		0	255
	FunType25		0		0	255
	InfNo25		0		0	255
	FunType26		0		0	255
	InfNo26		0		0	255
	FunType27		0		0	255
	InfNo27		0		0	255
	FunType28		0		0	255
	InfNo28		0		0	255
	FunType29		0		0	255
	InfNo29		0		0	255
	FunType30		0		0	255
	InfNo30		0		0	255
	FunType31		0		0	255
	InfNo31		0		0	255
	FunType32		0		0	255
	InfNo32		0		0	255
B3RBDR: 3						
General						
NAME33			89T_MOTOR_TROUBL		16 characters	
TrigDR33			Off			
TrigLevel33			Trig on 1			
IndicationMa33			Hide			
SetLED33			Off			
NAME34			M-189_MOTOR_TRBL		16 characters	
TrigDR34			Off			
TrigLevel34			Trig on 1			
IndicationMa34			Hide			
SetLED34			Off			
NAME35			GCB CLOSE		16 characters	
TrigDR35			On			
TrigLevel35			Trig on 1			
IndicationMa35			Show			
SetLED35			Off			
NAME36			GCB OPEN		16 characters	
TrigDR36			On			
TrigLevel36			Trig on 1			
IndicationMa36			Show			
SetLED36			Off			

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME37			GCB E/S CLOSE		16 characters	
TrigDR37		On				
TrigLevel37		Trig on 1				
IndicationMa37		Show				
SetLED37		Off				
NAME38		M1-89_OPEN			16 characters	
TrigDR38		Off				
TrigLevel38		Trig on 1				
IndicationMa38		Hide				
SetLED38		Off				
NAME39		M1-89_CLOSE			16 characters	
TrigDR39		Off				
TrigLevel39		Trig on 1				
IndicationMa39		Hide				
SetLED39		Off				
NAME40		M1-89_REMO TE			16 characters	
TrigDR40		Off				
TrigLevel40		Trig on 1				
IndicationMa40		Hide				
SetLED40		Off				
NAME41		UT-1 I/C CLOSE			16 characters	
TrigDR41		On				
TrigLevel41		Trig on 1				
IndicationMa41		Show				
SetLED41		Off				
NAME42		UT-1 I/C OPEN			16 characters	
TrigDR42		On				
TrigLevel42		Trig on 1				
IndicationMa42		Show				
SetLED42		Off				
NAME43		UT-2 I/C CLOSE			16 characters	
TrigDR43		On				
TrigLevel43		Trig on 1				
IndicationMa43		Show				
SetLED43		Off				
NAME44		UT-2 I/C OPEN			16 characters	
TrigDR44		On				
TrigLevel44		Trig on 1				
IndicationMa44		Show				
SetLED44		Off				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME45		IOC1-TRIP		16 characters		
TrigDR45		Off				
TrigLevel45		Trig on 1				
IndicationMa45		Hide				
SetLED45		Off				
NAME46		TOC1-TRIP		16 characters		
TrigDR46		Off				
TrigLevel46		Trig on 1				
IndicationMa46		Hide				
SetLED46		Off				
NAME47		TOC1-START		16 characters		
TrigDR47		Off				
TrigLevel47		Trig on 1				
IndicationMa47		Hide				
SetLED47		Off				
NAME48		IEF-TRIP		16 characters		
TrigDR48		Off				
TrigLevel48		Trig on 1				
IndicationMa48		Hide				
SetLED48		Off				
IEC60870-5-103						
FunType33		0		0		255
InfNo33		0		0		255
FunType34		0		0		255
InfNo34		0		0		255
FunType35		0		0		255
InfNo35		0		0		255
FunType36		0		0		255
InfNo36		0		0		255
FunType37		0		0		255
InfNo37		0		0		255
FunType38		0		0		255
InfNo38		0		0		255
FunType39		0		0		255
InfNo39		0		0		255
FunType40		0		0		255
InfNo40		0		0		255
FunType41		0		0		255
InfNo41		0		0		255
FunType42		0		0		255
InfNo42		0		0		255
FunType43		0		0		255
InfNo43		0		0		255
FunType44		0		0		255

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...			Created by	Title AA1C1Q01KF1	Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by	Rev. 0 Rel. date 3/4/2022 Lan en 75 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
InfNo44		0		0		255
FunType45		0		0		255
InfNo45		0		0		255
FunType46		0		0		255
InfNo46		0		0		255
FunType47		0		0		255
InfNo47		0		0		255
FunType48		0		0		255
InfNo48		0		0		255
B4RBDR: 4						
General						
NAME49		BAY_RESERVED				16 characters
TrigDR49		Off				
TrigLevel49		Trig on 1				
IndicationMa49		Hide				
SetLED49		Off				
NAME50		EXT_BAY_RE SRV				16 characters
TrigDR50		Off				
TrigLevel50		Trig on 1				
IndicationMa50		Hide				
SetLED50		Off				
NAME51		FUSE_FAIL				16 characters
TrigDR51		Off				
TrigLevel51		Trig on 1				
IndicationMa51		Hide				
SetLED51		Off				
NAME52		GT ZERO POWER OP				16 characters
TrigDR52		Off				
TrigLevel52		Trig on 1				
IndicationMa52		Hide				
SetLED52		Off				
NAME53		Not used				16 characters
TrigDR53		Off				
TrigLevel53		Trig on 1				
IndicationMa53		Hide				
SetLED53		Off				
NAME54		Not used				16 characters
TrigDR54		Off				
TrigLevel54		Trig on 1				
IndicationMa54		Hide				
SetLED54		Off				
NAME55		Not used				16 characters

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigDR55		Off				
TrigLevel55		Trig on 1				
IndicationMa55		Hide				
SetLED55		Off				
NAME56		Not used		16 characters		
TrigDR56		Off				
TrigLevel56		Trig on 1				
IndicationMa56		Hide				
SetLED56		Off				
NAME57		Not used		16 characters		
TrigDR57		Off				
TrigLevel57		Trig on 1				
IndicationMa57		Hide				
SetLED57		Off				
NAME58		86A_RESET_ CMD		16 characters		
TrigDR58		On				
TrigLevel58		Trig on 1				
IndicationMa58		Hide				
SetLED58		Off				
NAME59		86B_RESET_ CMD		16 characters		
TrigDR59		On				
TrigLevel59		Trig on 1				
IndicationMa59		Hide				
SetLED59		Off				
NAME60		BUS1_SEL		16 characters		
TrigDR60		Off				
TrigLevel60		Trig on 1				
IndicationMa60		Hide				
SetLED60		Off				
NAME61		BUS2_SEL		16 characters		
TrigDR61		Off				
TrigLevel61		Trig on 1				
IndicationMa61		Show				
SetLED61		Off				
NAME62		LINE1_SEL		16 characters		
TrigDR62		Off				
TrigLevel62		Trig on 1				
IndicationMa62		Hide				
SetLED62		Off				
NAME63		LINE2_SEL		16 characters		
TrigDR63		Off				
TrigLevel63		Trig on 1				
IndicationMa63		Hide				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name	IED Value [SG1/Commomn]	PC Value [SG1/Commomn]	Unit	Min	Max
SetLED63		Off			
NAME64		Not used			16 characters
TrigDR64		Off			
TrigLevel64		Trig on 1			
IndicationMa64		Hide			
SetLED64		Off			
IEC60870-5-103					
FunType49	0		0	255	
InfNo49	0		0	255	
FunType50	0		0	255	
InfNo50	0		0	255	
FunType51	0		0	255	
InfNo51	0		0	255	
FunType52	0		0	255	
InfNo52	0		0	255	
FunType53	0		0	255	
InfNo53	0		0	255	
FunType54	0		0	255	
InfNo54	0		0	255	
FunType55	0		0	255	
InfNo55	0		0	255	
FunType56	0		0	255	
InfNo56	0		0	255	
FunType57	0		0	255	
InfNo57	0		0	255	
FunType58	0		0	255	
InfNo58	0		0	255	
FunType59	0		0	255	
InfNo59	0		0	255	
FunType60	0		0	255	
InfNo60	0		0	255	
FunType61	0		0	255	
InfNo61	0		0	255	
FunType62	0		0	255	
InfNo62	0		0	255	
FunType63	0		0	255	
InfNo63	0		0	255	
FunType64	0		0	255	
InfNo64	0		0	255	
B5RBDR: 5					
General					
NAME65		CB_NOTREA DY			16 characters
TrigDR65		Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigLevel65		Trig on 1			
IndicationMa65		Show			
SetLED65		Off			
NAME66		CB OPEN			16 characters
TrigDR66		Off			
TrigLevel66		Trig on 1			
IndicationMa66		Hide			
SetLED66		Off			
NAME67		CB CLOSE			16 characters
TrigDR67		Off			
TrigLevel67		Trig on 1			
IndicationMa67		Hide			
SetLED67		Off			
NAME68		CB_OPEN_C MD			16 characters
TrigDR68		On			
TrigLevel68		Trig on 1			
IndicationMa68		Show			
SetLED68		Off			
NAME69		CB_CLOSE_C MD			16 characters
TrigDR69		On			
TrigLevel69		Trig on 1			
IndicationMa69		Show			
SetLED69		Off			
NAME70		Q52_POLE_D SCR			16 characters
TrigDR70		On			
TrigLevel70		Trig on 1			
IndicationMa70		Show			
SetLED70		Off			
NAME71		LOCAL_CTRL			16 characters
TrigDR71		Off			
TrigLevel71		Trig on 1			
IndicationMa71		Hide			
SetLED71		Off			
NAME72		REMOTE_CT RL			16 characters
TrigDR72		Off			
TrigLevel72		Trig on 1			
IndicationMa72		Hide			
SetLED72		Off			
NAME73		CTRL_OFF			16 characters
TrigDR73		Off			
TrigLevel73		Trig on 1			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name	IED Value [SG1/Commomn]	PC Value [SG1/Commomn]	Unit	Min	Max
IndicationMa73		Hide			
SetLED73		Off			
NAME74		TEF-TRIP			16 characters
TrigDR74		Off			
TrigLevel74		Trig on 1			
IndicationMa74		Hide			
SetLED74		Off			
NAME75		TEF-START			16 characters
TrigDR75		Off			
TrigLevel75		Trig on 1			
IndicationMa75		Hide			
SetLED75		Off			
NAME76		TOV-TRIP			16 characters
TrigDR76		Off			
TrigLevel76		Trig on 1			
IndicationMa76		Hide			
SetLED76		Off			
NAME77		TOV-START			16 characters
TrigDR77		Off			
TrigLevel77		Trig on 1			
IndicationMa77		Hide			
SetLED77		Off			
NAME78		UV2PTUV[1]_TRIP			16 characters
TrigDR78		Off			
TrigLevel78		Trig on 1			
IndicationMa78		Hide			
SetLED78		Off			
NAME79		52-OPEN_BLOCK			16 characters
TrigDR79		Off			
TrigLevel79		Trig on 1			
IndicationMa79		Hide			
SetLED79		Off			
NAME80		52-CLOSE_BLOCK			16 characters
TrigDR80		Off			
TrigLevel80		Trig on 1			
IndicationMa80		Hide			
SetLED80		Off			
IEC60870-5-103					
FunType65	0	0	0	255	
InfNo65	0	0	0	255	
FunType66	0	0	0	255	
InfNo66	0	0	0	255	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	FunType67		0		0	255
	InfNo67		0		0	255
	FunType68		0		0	255
	InfNo68		0		0	255
	FunType69		0		0	255
	InfNo69		0		0	255
	FunType70		0		0	255
	InfNo70		0		0	255
	FunType71		0		0	255
	InfNo71		0		0	255
	FunType72		0		0	255
	InfNo72		0		0	255
	FunType73		0		0	255
	InfNo73		0		0	255
	FunType74		0		0	255
	InfNo74		0		0	255
	FunType75		0		0	255
	InfNo75		0		0	255
	FunType76		0		0	255
	InfNo76		0		0	255
	FunType77		0		0	255
	InfNo77		0		0	255
	FunType78		0		0	255
	InfNo78		0		0	255
	FunType79		0		0	255
	InfNo79		0		0	255
	FunType80		0		0	255
	InfNo80		0		0	255
B6RBDR: 6						
General						
	NAME81		IES-FAIL			16 characters
	TrigDR81		Off			
	TrigLevel81		Trig on 1			
	IndicationMa81		Hide			
	SetLED81		Off			
	NAME82		IES-WARNING			16 characters
	TrigDR82		Off			
	TrigLevel82		Trig on 1			
	IndicationMa82		Hide			
	SetLED82		Off			
	NAME83		UV2PTUV[1]_ START			16 characters
	TrigDR83		Off			
	TrigLevel83		Trig on 1			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
IndicationMa83		Hide			
SetLED83		Off			
NAME84		Not Used			16 characters
TrigDR84		Off			
TrigLevel84		Trig on 1			
IndicationMa84		Hide			
SetLED84		Off			
NAME85		TIME-TSYNCE RR			16 characters
TrigDR85		Off			
TrigLevel85		Trig on 1			
IndicationMa85		Hide			
SetLED85		Off			
NAME86		TIME-RTCER R			16 characters
TrigDR86		Off			
TrigLevel86		Trig on 1			
IndicationMa86		Hide			
SetLED86		Off			
NAME87		MEM_USED			16 characters
TrigDR87		Off			
TrigLevel87		Trig on 1			
IndicationMa87		Hide			
SetLED87		Off			
NAME88		ACGR-SETCH GD			16 characters
TrigDR88		Off			
TrigLevel88		Trig on 1			
IndicationMa88		Hide			
SetLED88		Off			
NAME89		BCU_IN_TEST _M			16 characters
TrigDR89		Off			
TrigLevel89		Trig on 1			
IndicationMa89		Hide			
SetLED89		Off			
NAME90		BCU_TEST-A CTI			16 characters
TrigDR90		Off			
TrigLevel90		Trig on 1			
IndicationMa90		Hide			
SetLED90		Off			
NAME91		OV PWR TRIP			16 characters
TrigDR91		Off			
TrigLevel91		Trig on 1			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
IndicationMa91		Hide				
SetLED91		Off				
NAME92		OV PWR START		16 characters		
TrigDR92		Off				
TrigLevel92		Trig on 1				
IndicationMa92		Hide				
SetLED92		Off				
NAME93		UV PWR TRIP		16 characters		
TrigDR93		Off				
TrigLevel93		Trig on 1				
IndicationMa93		Hide				
SetLED93		Off				
NAME94		UV PWR START		16 characters		
TrigDR94		Off				
TrigLevel94		Trig on 1				
IndicationMa94		Hide				
SetLED94		Off				
NAME95		Not used		16 characters		
TrigDR95		Off				
TrigLevel95		Trig on 1				
IndicationMa95		Hide				
SetLED95		Off				
NAME96		Not used		16 characters		
TrigDR96		Off				
TrigLevel96		Trig on 1				
IndicationMa96		Hide				
SetLED96		Off				
IEC60870-5-103						
FunType81		0		0		255
InfNo81		0		0		255
FunType82		0		0		255
InfNo82		0		0		255
FunType83		0		0		255
InfNo83		0		0		255
FunType84		0		0		255
InfNo84		0		0		255
FunType85		0		0		255
InfNo85		0		0		255
FunType86		0		0		255
InfNo86		0		0		255
FunType87		0		0		255
InfNo87		0		0		255
FunType88		0		0		255

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
Re. v.	Modification	Rel. date	Created by	Based on		Approved by	Rev. 0	Rel. date 3/4/2022	Lang en	83 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	InfNo88		0		0	255
	FunType89		0		0	255
	InfNo89		0		0	255
	FunType90		0		0	255
	InfNo90		0		0	255
	FunType91		0		0	255
	InfNo91		0		0	255
	FunType92		0		0	255
	InfNo92		0		0	255
	FunType93		0		0	255
	InfNo93		0		0	255
	FunType94		0		0	255
	InfNo94		0		0	255
	FunType95		0		0	255
	InfNo95		0		0	255
	FunType96		0		0	255
	InfNo96		0		0	255
B7RBDR: 7						
General						
NAME97			CB CLOSE R PH		16 characters	
TrigDR97			On			
TrigLevel97			Trig on 1			
IndicationMa97			Show			
SetLED97			Off			
NAME98			CB OPEN R PH		16 characters	
TrigDR98			On			
TrigLevel98			Trig on 1			
IndicationMa98			Show			
SetLED98			Off			
NAME99			CB CLOSE Y PH		16 characters	
TrigDR99			On			
TrigLevel99			Trig on 1			
IndicationMa99			Show			
SetLED99			Off			
NAME100			CB OPEN Y PH		16 characters	
TrigDR100			On			
TrigLevel100			Trig on 1			
IndicationMa100			Show			
SetLED100			Off			
NAME101			CB CLOSE B PH		16 characters	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
Re. v.	Modification	Rel. date	Created by	Based on		Approved by		Rev. 0	Rel. date 3/4/2022	Lang en	84 / 107

Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigDR101			On			
TrigLevel101			Trig on 1			
IndicationMa101			Show			
SetLED101			Off			
NAME102			CB OPEN B PH			16 characters
TrigDR102			On			
TrigLevel102			Trig on 1			
IndicationMa102			Show			
SetLED102			Off			
NAME103			OVERPOWER START			16 characters
TrigDR103			Off			
TrigLevel103			Trig on 1			
IndicationMa103			Hide			
SetLED103			Off			
NAME104			OVERPOWER STG-1			16 characters
TrigDR104			Off			
TrigLevel104			Trig on 1			
IndicationMa104			Hide			
SetLED104			Off			
NAME105			OVERPOWER STG-2			16 characters
TrigDR105			Off			
TrigLevel105			Trig on 1			
IndicationMa105			Hide			
SetLED105			Off			
NAME106			OVERPOWER -TRIP			16 characters
TrigDR106			Off			
TrigLevel106			Trig on 1			
IndicationMa106			Hide			
SetLED106			Off			
NAME107			OV PWR-TRIP ST-1			16 characters
TrigDR107			Off			
TrigLevel107			Trig on 1			
IndicationMa107			Hide			
SetLED107			Off			
NAME108			OV PWR-TRIP ST-2			16 characters
TrigDR108			Off			
TrigLevel108			Trig on 1			
IndicationMa108			Hide			
SetLED108			Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
Re. v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 85 / 107

Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME109		IEF TRIP			16 characters
TrigDR109		Off			
TrigLevel109		Trig on 1			
IndicationMa109		Hide			
SetLED109		Off			
NAME110		TEF TRIP			16 characters
TrigDR110		Off			
TrigLevel110		Trig on 1			
IndicationMa110		Hide			
SetLED110		Off			
NAME111		TEF START			16 characters
TrigDR111		Off			
TrigLevel111		Trig on 1			
IndicationMa111		Hide			
SetLED111		Off			
NAME112		TEF ST-1 START			16 characters
TrigDR112		Off			
TrigLevel112		Trig on 1			
IndicationMa112		Hide			
SetLED112		Off			
IEC60870-5-103					
FunType97	0		0	255	
InfNo97	0		0	255	
FunType98	0		0	255	
InfNo98	0		0	255	
FunType99	0		0	255	
InfNo99	0		0	255	
FunType100	0		0	255	
InfNo100	0		0	255	
FunType101	0		0	255	
InfNo101	0		0	255	
FunType102	0		0	255	
InfNo102	0		0	255	
FunType103	0		0	255	
InfNo103	0		0	255	
FunType104	0		0	255	
InfNo104	0		0	255	
FunType105	0		0	255	
InfNo105	0		0	255	
FunType106	0		0	255	
InfNo106	0		0	255	
FunType107	0		0	255	
InfNo107	0		0	255	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	FunType108		0		0	255
	InfNo108		0		0	255
	FunType109		0		0	255
	InfNo109		0		0	255
	FunType110		0		0	255
	InfNo110		0		0	255
	FunType111		0		0	255
	InfNo111		0		0	255
	FunType112		0		0	255
	InfNo112		0		0	255
B8RBDR: 8						
General						
	NAME113		TOC4-Y PH TRIP			16 characters
	TrigDR113		Off			
	TrigLevel113		Trig on 1			
	IndicationMa113		Hide			
	SetLED113		Off			
	NAME114		TOC4-B PH TRIP			16 characters
	TrigDR114		Off			
	TrigLevel114		Trig on 1			
	IndicationMa114		Hide			
	SetLED114		Off			
	NAME115		TOC2-START			16 characters
	TrigDR115		Off			
	TrigLevel115		Trig on 1			
	IndicationMa115		Hide			
	SetLED115		Off			
	NAME116		TOC2-TRIP			16 characters
	TrigDR116		Off			
	TrigLevel116		Trig on 1			
	IndicationMa116		Hide			
	SetLED116		Off			
	NAME117		TOC3-START			16 characters
	TrigDR117		Off			
	TrigLevel117		Trig on 1			
	IndicationMa117		Hide			
	SetLED117		Off			
	NAME118		TOC3-TRIP			16 characters
	TrigDR118		Off			
	TrigLevel118		Trig on 1			
	IndicationMa118		Hide			
	SetLED118		Off			
	NAME119		TOC4-START			16 characters

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigDR119		Off			
TrigLevel119		Trig on 1			
IndicationMa119		Hide			
SetLED119		Off			
NAME120		TOC4-TRIP			16 characters
TrigDR120		Off			
TrigLevel120		Trig on 1			
IndicationMa120		Hide			
SetLED120		Off			
NAME121		Not used			16 characters
TrigDR121		Off			
TrigLevel121		Trig on 1			
IndicationMa121		Hide			
SetLED121		Off			
NAME122		Not used			16 characters
TrigDR122		Off			
TrigLevel122		Trig on 1			
IndicationMa122		Hide			
SetLED122		Off			
NAME123		Not used			16 characters
TrigDR123		Off			
TrigLevel123		Trig on 1			
IndicationMa123		Hide			
SetLED123		Off			
NAME124		Not used			16 characters
TrigDR124		Off			
TrigLevel124		Trig on 1			
IndicationMa124		Hide			
SetLED124		Off			
NAME125		Not used			16 characters
TrigDR125		Off			
TrigLevel125		Trig on 1			
IndicationMa125		Hide			
SetLED125		Off			
NAME126		Not used			16 characters
TrigDR126		Off			
TrigLevel126		Trig on 1			
IndicationMa126		Hide			
SetLED126		Off			
NAME127		TOV-START			16 characters
TrigDR127		Off			
TrigLevel127		Trig on 1			
IndicationMa127		Hide			
SetLED127		Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME128		TOV-TRIP			16 characters
TrigDR128		Off			
TrigLevel128		Trig on 1			
IndicationMa128		Hide			
SetLED128		Off			
IEC60870-5-103					
FunType113	0		0	255	
InfNo113	0		0	255	
FunType114	0		0	255	
InfNo114	0		0	255	
FunType115	0		0	255	
InfNo115	0		0	255	
FunType116	0		0	255	
InfNo116	0		0	255	
FunType117	0		0	255	
InfNo117	0		0	255	
FunType118	0		0	255	
InfNo118	0		0	255	
FunType119	0		0	255	
InfNo119	0		0	255	
FunType120	0		0	255	
InfNo120	0		0	255	
FunType121	0		0	255	
InfNo121	0		0	255	
FunType122	0		0	255	
InfNo122	0		0	255	
FunType123	0		0	255	
InfNo123	0		0	255	
FunType124	0		0	255	
InfNo124	0		0	255	
FunType125	0		0	255	
InfNo125	0		0	255	
FunType126	0		0	255	
InfNo126	0		0	255	
FunType127	0		0	255	
InfNo127	0		0	255	
FunType128	0		0	255	
InfNo128	0		0	255	
B9RBDR: 9					
General					
NAME129		TOV1-START			16 characters
TrigDR129		Off			
TrigLevel129		Trig on 1			
IndicationMa129		Hide			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
SetLED129		Off				
NAME130		TOV1-TRIP				
TrigDR130		Off				
TrigLevel130		Trig on 1				
IndicationMa130		Hide				
SetLED130		Off				
NAME131		TOV1-R PH START				
TrigDR131		Off				
TrigLevel131		Trig on 1				
IndicationMa131		Hide				
SetLED131		Off				
NAME132		TOV1-R PH TRIP				
TrigDR132		Off				
TrigLevel132		Trig on 1				
IndicationMa132		Hide				
SetLED132		Off				
NAME133		TOV1-Y PH START				
TrigDR133		Off				
TrigLevel133		Trig on 1				
IndicationMa133		Hide				
SetLED133		Off				
NAME134		TOV1-Y PH TRIP				
TrigDR134		Off				
TrigLevel134		Trig on 1				
IndicationMa134		Hide				
SetLED134		Off				
NAME135		TOV1-B PH START				
TrigDR135		Off				
TrigLevel135		Trig on 1				
IndicationMa135		Hide				
SetLED135		Off				
NAME136		TOV1-B PH TRIP				
TrigDR136		Off				
TrigLevel136		Trig on 1				
IndicationMa136		Hide				
SetLED136		Off				
NAME137		TOV2-START				
TrigDR137		Off				
TrigLevel137		Trig on 1				
IndicationMa137		Hide				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
SetLED137		Off				
NAME138		TOV2-TRIP				
TrigDR138		Off				
TrigLevel138		Trig on 1				
IndicationMa138		Hide				
SetLED138		Off				
NAME139		TOV2-R PH START				
TrigDR139		Off				
TrigLevel139		Trig on 1				
IndicationMa139		Hide				
SetLED139		Off				
NAME140		TOV2-R PH TRIP				
TrigDR140		Off				
TrigLevel140		Trig on 1				
IndicationMa140		Hide				
SetLED140		Off				
NAME141		TOV2-Y PH START				
TrigDR141		Off				
TrigLevel141		Trig on 1				
IndicationMa141		Hide				
SetLED141		Off				
NAME142		TOV2-Y PH TRIP				
TrigDR142		Off				
TrigLevel142		Trig on 1				
IndicationMa142		Hide				
SetLED142		Off				
NAME143		TOV2-B PH START				
TrigDR143		Off				
TrigLevel143		Trig on 1				
IndicationMa143		Hide				
SetLED143		Off				
NAME144		TOV2-B PH TRIP				
TrigDR144		Off				
TrigLevel144		Trig on 1				
IndicationMa144		Hide				
SetLED144		Off				
IEC60870-5-103						
FunType129		0		0		255
InfNo129		0		0		255
FunType130		0		0		255

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name	IED Value [SG1/Commom... n]	PC Value [SG1/Commom... n]	Unit	Min	Max
InfNo130	0		0	0	255
FunType131	0		0	0	255
InfNo131	0		0	0	255
FunType132	0		0	0	255
InfNo132	0		0	0	255
FunType133	0		0	0	255
InfNo133	0		0	0	255
FunType134	0		0	0	255
InfNo134	0		0	0	255
FunType135	0		0	0	255
InfNo135	0		0	0	255
FunType136	0		0	0	255
InfNo136	0		0	0	255
FunType137	0		0	0	255
InfNo137	0		0	0	255
FunType138	0		0	0	255
InfNo138	0		0	0	255
FunType139	0		0	0	255
InfNo139	0		0	0	255
FunType140	0		0	0	255
InfNo140	0		0	0	255
FunType141	0		0	0	255
InfNo141	0		0	0	255
FunType142	0		0	0	255
InfNo142	0		0	0	255
FunType143	0		0	0	255
InfNo143	0		0	0	255
FunType144	0		0	0	255
InfNo144	0		0	0	255
B10RBDR: 10					
General					
NAME145		TEF ST-1 TRIP			16 characters
TrigDR145		Off			
TrigLevel145		Trig on 1			
IndicationMa145		Hide			
SetLED145		Off			
NAME146		TEF ST-2 START			16 characters
TrigDR146		Off			
TrigLevel146		Trig on 1			
IndicationMa146		Hide			
SetLED146		Off			
NAME147		TEF ST-2 TRIP			16 characters

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigDR147		Off			
TrigLevel147		Trig on 1			
IndicationMa147		Hide			
SetLED147		Off			
NAME148		TEF ST-3 START			16 characters
TrigDR148		Off			
TrigLevel148		Trig on 1			
IndicationMa148		Hide			
SetLED148		Off			
NAME149		TEF ST-3 TRIP			16 characters
TrigDR149		Off			
TrigLevel149		Trig on 1			
IndicationMa149		Hide			
SetLED149		Off			
NAME150		TEF ST-4 START			16 characters
TrigDR150		Off			
TrigLevel150		Trig on 1			
IndicationMa150		Hide			
SetLED150		Off			
NAME151		TEF ST-4 TRIP			16 characters
TrigDR151		Off			
TrigLevel151		Trig on 1			
IndicationMa151		Hide			
SetLED151		Off			
NAME152		TOC-START			16 characters
TrigDR152		Off			
TrigLevel152		Trig on 1			
IndicationMa152		Hide			
SetLED152		Off			
NAME153		TOC-TRIP			16 characters
TrigDR153		Off			
TrigLevel153		Trig on 1			
IndicationMa153		Hide			
SetLED153		Off			
NAME154		TOC1-START			16 characters
TrigDR154		Off			
TrigLevel154		Trig on 1			
IndicationMa154		Hide			
SetLED154		Off			
NAME155		TOC1-TRIP			16 characters
TrigDR155		Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name	IED Value [SG1/Commomn]	PC Value [SG1/Commomn]	Unit	Min	Max
TrigLevel155		Trig on 1			
IndicationMa155		Hide			
SetLED155		Off			
NAME156		TOC1-R PH START			16 characters
TrigDR156		Off			
TrigLevel156		Trig on 1			
IndicationMa156		Hide			
SetLED156		Off			
NAME157		TOC1-Y PH STARTT			16 characters
TrigDR157		Off			
TrigLevel157		Trig on 1			
IndicationMa157		Hide			
SetLED157		Off			
NAME158		TOC1-B PH START			16 characters
TrigDR158		Off			
TrigLevel158		Trig on 1			
IndicationMa158		Hide			
SetLED158		Off			
NAME159		TOC1-R PH TRIP			16 characters
TrigDR159		Off			
TrigLevel159		Trig on 1			
IndicationMa159		Hide			
SetLED159		Off			
NAME160		TOC1-Y PH TRIP			16 characters
TrigDR160		Off			
TrigLevel160		Trig on 1			
IndicationMa160		Hide			
SetLED160		Off			
IEC60870-5-103					
FunType145	0		0		255
InfNo145	0		0		255
FunType146	0		0		255
InfNo146	0		0		255
FunType147	0		0		255
InfNo147	0		0		255
FunType148	0		0		255
InfNo148	0		0		255
FunType149	0		0		255
InfNo149	0		0		255
FunType150	0		0		255

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	InfNo150		0		0	255
	FunType151		0		0	255
	InfNo151		0		0	255
	FunType152		0		0	255
	InfNo152		0		0	255
	FunType153		0		0	255
	InfNo153		0		0	255
	FunType154		0		0	255
	InfNo154		0		0	255
	FunType155		0		0	255
	InfNo155		0		0	255
	FunType156		0		0	255
	InfNo156		0		0	255
	FunType157		0		0	255
	InfNo157		0		0	255
	FunType158		0		0	255
	InfNo158		0		0	255
	FunType159		0		0	255
	InfNo159		0		0	255
	FunType160		0		0	255
	InfNo160		0		0	255
B11RBDR: 11						
General						
NAME161			TOC2-R PH START		16 characters	
TrigDR161			Off			
TrigLevel161			Trig on 1			
IndicationMa161			Hide			
SetLED161			Off			
NAME162			TOC2-Y PH START		16 characters	
TrigDR162			Off			
TrigLevel162			Trig on 1			
IndicationMa162			Hide			
SetLED162			Off			
NAME163			TOC2-B PH START		16 characters	
TrigDR163			Off			
TrigLevel163			Trig on 1			
IndicationMa163			Hide			
SetLED163			Off			
NAME164			TOC2-R PH TRIP		16 characters	
TrigDR164			Off			
TrigLevel164			Trig on 1			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
IndicationMa164		Hide			
SetLED164		Off			
NAME165		TOC2-Y PH TRIP			16 characters
TrigDR165		Off			
TrigLevel165		Trig on 1			
IndicationMa165		Hide			
SetLED165		Off			
NAME166		TOC2-B PH TRIP			16 characters
TrigDR166		Off			
TrigLevel166		Trig on 1			
IndicationMa166		Hide			
SetLED166		Off			
NAME167		TOC3-R PH START			16 characters
TrigDR167		Off			
TrigLevel167		Trig on 1			
IndicationMa167		Hide			
SetLED167		Off			
NAME168		TOC3-Y PH START			16 characters
TrigDR168		Off			
TrigLevel168		Trig on 1			
IndicationMa168		Hide			
SetLED168		Off			
NAME169		TOC3-B PH START			16 characters
TrigDR169		Off			
TrigLevel169		Trig on 1			
IndicationMa169		Hide			
SetLED169		Off			
NAME170		TOC3-R PH TRIP			16 characters
TrigDR170		Off			
TrigLevel170		Trig on 1			
IndicationMa170		Hide			
SetLED170		Off			
NAME171		TOC3-Y PH TRIP			16 characters
TrigDR171		Off			
TrigLevel171		Trig on 1			
IndicationMa171		Hide			
SetLED171		Off			
NAME172		TOC3-B PH TRIP			16 characters

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigDR172		Off			
TrigLevel172		Trig on 1			
IndicationMa172		Hide			
SetLED172		Off			
NAME173		TOC4-R PH START			16 characters
TrigDR173		Off			
TrigLevel173		Trig on 1			
IndicationMa173		Hide			
SetLED173		Off			
NAME174		TOC4-Y PH START			16 characters
TrigDR174		Off			
TrigLevel174		Trig on 1			
IndicationMa174		Hide			
SetLED174		Off			
NAME175		TOC4-B PH START			16 characters
TrigDR175		Off			
TrigLevel175		Trig on 1			
IndicationMa175		Hide			
SetLED175		Off			
NAME176		TOC4-R PH TRIP			16 characters
TrigDR176		Off			
TrigLevel176		Trig on 1			
IndicationMa176		Hide			
SetLED176		Off			
IEC60870-5-103					
FunType161	0		0	255	
InfNo161	0		0	255	
FunType162	0		0	255	
InfNo162	0		0	255	
FunType163	0		0	255	
InfNo163	0		0	255	
FunType164	0		0	255	
InfNo164	0		0	255	
FunType165	0		0	255	
InfNo165	0		0	255	
FunType166	0		0	255	
InfNo166	0		0	255	
FunType167	0		0	255	
InfNo167	0		0	255	
FunType168	0		0	255	
InfNo168	0		0	255	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
	FunType169		0		0	255
	InfNo169		0		0	255
	FunType170		0		0	255
	InfNo170		0		0	255
	FunType171		0		0	255
	InfNo171		0		0	255
	FunType172		0		0	255
	InfNo172		0		0	255
	FunType173		0		0	255
	InfNo173		0		0	255
	FunType174		0		0	255
	InfNo174		0		0	255
	FunType175		0		0	255
	InfNo175		0		0	255
	FunType176		0		0	255
	InfNo176		0		0	255
B12RBDR: 12						
General						
	NAME177		Not used			16 characters
	TrigDR177		Off			
	TrigLevel177		Trig on 1			
	IndicationMa177		Hide			
	SetLED177		Off			
	NAME178		Not used			16 characters
	TrigDR178		Off			
	TrigLevel178		Trig on 1			
	IndicationMa178		Hide			
	SetLED178		Off			
	NAME179		TUV1-START			16 characters
	TrigDR179		Off			
	TrigLevel179		Trig on 1			
	IndicationMa179		Hide			
	SetLED179		Off			
	NAME180		TUV1-TRIP			16 characters
	TrigDR180		Off			
	TrigLevel180		Trig on 1			
	IndicationMa180		Hide			
	SetLED180		Off			
	NAME181		TUV1-R PH START			16 characters
	TrigDR181		Off			
	TrigLevel181		Trig on 1			
	IndicationMa181		Hide			
	SetLED181		Off			

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME182			TUV1-R PH TRIP		16 characters	
TrigDR182		Off				
TrigLevel182		Trig on 1				
IndicationMa182		Hide				
SetLED182		Off				
NAME183		TUV1-Y PH START			16 characters	
TrigDR183		Off				
TrigLevel183		Trig on 1				
IndicationMa183		Hide				
SetLED183		Off				
NAME184		TUV1-Y PH TRIP			16 characters	
TrigDR184		Off				
TrigLevel184		Trig on 1				
IndicationMa184		Hide				
SetLED184		Off				
NAME185		TUV1-B PH START			16 characters	
TrigDR185		Off				
TrigLevel185		Trig on 1				
IndicationMa185		Hide				
SetLED185		Off				
NAME186		TUV1-B PH TRIP			16 characters	
TrigDR186		Off				
TrigLevel186		Trig on 1				
IndicationMa186		Hide				
SetLED186		Off				
NAME187		TUV2-START			16 characters	
TrigDR187		Off				
TrigLevel187		Trig on 1				
IndicationMa187		Hide				
SetLED187		Off				
NAME188		TUV2-TRIP			16 characters	
TrigDR188		Off				
TrigLevel188		Trig on 1				
IndicationMa188		Hide				
SetLED188		Off				
NAME189		TUV2-R PH START			16 characters	
TrigDR189		Off				
TrigLevel189		Trig on 1				
IndicationMa189		Hide				
SetLED189		Off				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME190			TUV2-R PH TRIP		16 characters	
TrigDR190		Off				
TrigLevel190		Trig on 1				
IndicationMa190		Hide				
SetLED190		Off				
NAME191		TUV2-Y PH START			16 characters	
TrigDR191		Off				
TrigLevel191		Trig on 1				
IndicationMa191		Hide				
SetLED191		Off				
NAME192		TUV2-Y PH TRIP			16 characters	
TrigDR192		Off				
TrigLevel192		Trig on 1				
IndicationMa192		Hide				
SetLED192		Off				
IEC60870-5-103						
FunType177		0		0	255	
InfNo177		0		0	255	
FunType178		0		0	255	
InfNo178		0		0	255	
FunType179		0		0	255	
InfNo179		0		0	255	
FunType180		0		0	255	
InfNo180		0		0	255	
FunType181		0		0	255	
InfNo181		0		0	255	
FunType182		0		0	255	
InfNo182		0		0	255	
FunType183		0		0	255	
InfNo183		0		0	255	
FunType184		0		0	255	
InfNo184		0		0	255	
FunType185		0		0	255	
InfNo185		0		0	255	
FunType186		0		0	255	
InfNo186		0		0	255	
FunType187		0		0	255	
InfNo187		0		0	255	
FunType188		0		0	255	
InfNo188		0		0	255	
FunType189		0		0	255	
InfNo189		0		0	255	

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.	
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
FunType190		0		0		255
InfNo190		0		0		255
FunType191		0		0		255
InfNo191		0		0		255
FunType192		0		0		255
InfNo192		0		0		255
B13RBDR: 13						
General						
NAME193		TUV2-B PH START		16 characters		
TrigDR193		Off				
TrigLevel193		Trig on 1				
IndicationMa193		Hide				
SetLED193		Off				
NAME194		TUV2-B PH TRIP		16 characters		
TrigDR194		Off				
TrigLevel194		Trig on 1				
IndicationMa194		Hide				
SetLED194		Off				
NAME195		SPARE		16 characters		
TrigDR195		Off				
TrigLevel195		Trig on 1				
IndicationMa195		Hide				
SetLED195		Off				
NAME196		SPARE		16 characters		
TrigDR196		Off				
TrigLevel196		Trig on 1				
IndicationMa196		Hide				
SetLED196		Off				
NAME197		SPARE		16 characters		
TrigDR197		Off				
TrigLevel197		Trig on 1				
IndicationMa197		Hide				
SetLED197		Off				
NAME198		SPARE		16 characters		
TrigDR198		Off				
TrigLevel198		Trig on 1				
IndicationMa198		Hide				
SetLED198		Off				
NAME199		SPARE		16 characters		
TrigDR199		Off				
TrigLevel199		Trig on 1				
IndicationMa199		Hide				
SetLED199		Off				

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
NAME200			SPARE			16 characters
TrigDR200			Off			
TrigLevel200			Trig on 1			
IndicationMa200			Hide			
SetLED200			Off			
NAME201			SPARE			16 characters
TrigDR201			Off			
TrigLevel201			Trig on 1			
IndicationMa201			Hide			
SetLED201			Off			
NAME202			SPARE			16 characters
TrigDR202			Off			
TrigLevel202			Trig on 1			
IndicationMa202			Hide			
SetLED202			Off			
NAME203			SPARE			16 characters
TrigDR203			Off			
TrigLevel203			Trig on 1			
IndicationMa203			Hide			
SetLED203			Off			
NAME204			SPARE			16 characters
TrigDR204			Off			
TrigLevel204			Trig on 1			
IndicationMa204			Hide			
SetLED204			Off			
NAME205			SPARE			16 characters
TrigDR205			Off			
TrigLevel205			Trig on 1			
IndicationMa205			Hide			
SetLED205			Off			
NAME206			SPARE			16 characters
TrigDR206			Off			
TrigLevel206			Trig on 1			
IndicationMa206			Hide			
SetLED206			Off			
NAME207			TEF ST-1 START			16 characters
TrigDR207			Off			
TrigLevel207			Trig on 1			
IndicationMa207			Hide			
SetLED207			Off			
NAME208			INPUT208			16 characters
TrigDR208			Off			
TrigLevel208			Trig on 1			

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
IndicationMa208	Hide				
SetLED208	Off				
IEC60870-5-103					
FunType193	0		0	255	
InfNo193	0		0	255	
FunType194	0		0	255	
InfNo194	0		0	255	
FunType195	0		0	255	
InfNo195	0		0	255	
FunType196	0		0	255	
InfNo196	0		0	255	
FunType197	0		0	255	
InfNo197	0		0	255	
FunType198	0		0	255	
InfNo198	0		0	255	
FunType199	0		0	255	
InfNo199	0		0	255	
FunType200	0		0	255	
InfNo200	0		0	255	
FunType201	0		0	255	
InfNo201	0		0	255	
FunType202	0		0	255	
InfNo202	0		0	255	
FunType203	0		0	255	
InfNo203	0		0	255	
FunType204	0		0	255	
InfNo204	0		0	255	
FunType205	0		0	255	
InfNo205	0		0	255	
FunType206	0		0	255	
InfNo206	0		0	255	
FunType207	0		0	255	
InfNo207	0		0	255	
FunType208	0		0	255	
InfNo208	0		0	255	
B14RBDR: 14					
General					
NAME209	SPARE			16 characters	
TrigDR209	Off				
TrigLevel209	Trig on 1				
IndicationMa209	Hide				
SetLED209	Off				
NAME210	SPARE			16 characters	
TrigDR210	Off				

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Title AA1C1Q01KF1	Document id.
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Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigLevel210		Trig on 1			
IndicationMa210		Hide			
SetLED210		Off			
NAME211		SPARE			16 characters
TrigDR211		Off			
TrigLevel211		Trig on 1			
IndicationMa211		Hide			
SetLED211		Off			
NAME212		SPARE			16 characters
TrigDR212		Off			
TrigLevel212		Trig on 1			
IndicationMa212		Hide			
SetLED212		Off			
NAME213		SPARE			16 characters
TrigDR213		Off			
TrigLevel213		Trig on 1			
IndicationMa213		Hide			
SetLED213		Off			
NAME214		SPARE			16 characters
TrigDR214		Off			
TrigLevel214		Trig on 1			
IndicationMa214		Hide			
SetLED214		Off			
NAME215		SPARE			16 characters
TrigDR215		Off			
TrigLevel215		Trig on 1			
IndicationMa215		Hide			
SetLED215		Off			
NAME216		SPARE			16 characters
TrigDR216		Off			
TrigLevel216		Trig on 1			
IndicationMa216		Hide			
SetLED216		Off			
NAME217		SPARE			16 characters
TrigDR217		Off			
TrigLevel217		Trig on 1			
IndicationMa217		Hide			
SetLED217		Off			
NAME218		IOC1-TRIP			16 characters
TrigDR218		Off			
TrigLevel218		Trig on 1			
IndicationMa218		Hide			
SetLED218		Off			
NAME219		IOC2-TRIP			16 characters

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
TrigDR219		Off				
TrigLevel219		Trig on 1				
IndicationMa219		Hide				
SetLED219		Off				
NAME220		IOC3-TRIP		16 characters		
TrigDR220		Off				
TrigLevel220		Trig on 1				
IndicationMa220		Hide				
SetLED220		Off				
NAME221		TOC1-B PH TRIP		16 characters		
TrigDR221		Off				
TrigLevel221		Trig on 1				
IndicationMa221		Hide				
SetLED221		Off				
NAME222		LOVPTUV[1]_ START		16 characters		
TrigDR222		Off				
TrigLevel222		Trig on 1				
IndicationMa222		Hide				
SetLED222		Off				
NAME223		LOVPTUV[1]_ TRIP		16 characters		
TrigDR223		Off				
TrigLevel223		Trig on 1				
IndicationMa223		Hide				
SetLED223		Off				
NAME224		DC-2_MCB_T RIP		16 characters		
TrigDR224		Off				
TrigLevel224		Trig on 1				
IndicationMa224		Hide				
SetLED224		Off				
IEC60870-5-103						
FunType209		0		0		255
InfNo209		0		0		255
FunType210		0		0		255
InfNo210		0		0		255
FunType211		0		0		255
InfNo211		0		0		255
FunType212		0		0		255
InfNo212		0		0		255
FunType213		0		0		255
InfNo213		0		0		255
FunType214		0		0		255

				Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1		
			Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Created by AA1C1Q01KF1	Document id.			
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Group / Parameter Name		IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max		
	InfNo214		0		0	255		
	FunType215		0		0	255		
	InfNo215		0		0	255		
	FunType216		0		0	255		
	InfNo216		0		0	255		
	FunType217		0		0	255		
	InfNo217		0		0	255		
	FunType218		0		0	255		
	InfNo218		0		0	255		
	FunType219		0		0	255		
	InfNo219		0		0	255		
	FunType220		0		0	255		
	InfNo220		0		0	255		
	FunType221		0		0	255		
	InfNo221		0		0	255		
	FunType222		0		0	255		
	InfNo222		0		0	255		
	FunType223		0		0	255		
	InfNo223		0		0	255		
	FunType224		0		0	255		
	InfNo224		0		0	255		
SIMULATOR								
Control								
Commands								
SingleCommand								
SINGLECMD: 1								
Operation		Off						
Logic								
LogicGate								
GATE: 1								
Setting Group1								
Operation		Off						
LogicSRMemory								
SRMEMORY: 1								
Setting Group1								
Memory		Off						
SRMEMORY: 8								
Setting Group1								
Memory		Off						
SRMEMORY: 10								
Setting Group1								
Memory		Off						
SRMEMORY: 11								
Setting Group1								

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				Repla...	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01	ABB	Created by AA1C1Q01KF1	Document id.			
Re. v.	Modification	Rel. date	Created by	Based on		Approved by		Rev. 0	Rel. date 3/4/2022	Lang en	106 / 107

Group / Parameter Name	IED Value [SG1/Commom n]	PC Value [SG1/Commom n]	Unit	Min	Max
Memory		Off			
SRMEMORY: 21					
Setting Group1					
Memory		Off			
SRMEMORY: 22					
Setting Group1					
Memory		Off			
SRMEMORY: 23					
Setting Group1					
Memory		Off			
SRMEMORY: 24					
Setting Group1					
Memory		Off			
SRMEMORY: 25					
Setting Group1					
Memory		Off			
LogicTimerSet					
TIMERSET: 2					
Setting Group1					
Operation		Off			
t	0.000		s	0.000	90000.000
TIMERSET: 3					
Setting Group1					
Operation		Off			
t	0.000		s	0.000	90000.000

					Project ADANI_RAIGARH_2.2.5_1908...	Responsible department ABB Ltd.	Technical ref...	Document kind	Doc. designation AA1C1Q01KF1
				Repla...			Created by AA1C1Q01KF1		Document id.
Re v.	Modification	Rel. date	Created by	Based on	ADANI_RAIGARH_2.2.5_190820 23.AA1.C1.Q01		Approved by		Rev. 0 Rel. date 3/4/2022 Lan en 107 / 107