otally Integrated	

Tutorial_1 / PLC_1 [CPU 1512C-1 PN] / Program blocks

Conveyor Sequence [FB1]

Conveyor Seque	ence Properties						
General							
Name	Conveyor Sequence	Number	1	Туре	FB	Language	GRAPH
Numbering	Automatic	Network lan-	LAD	Block version	V2.0		
		guage					
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Conveyor Sequence	Data type	Default value	Retain	Accessible	Writ-	Visible in	Setpoint	Supervi-	Comment
				from HMI/OPC UA/Web API	able	HMI engi- neering		sion	
✓ Input									
OFF_SQ	Bool	false	Non-retain	False	False		False		Turn sequence off
INIT_SQ	Bool	false	Non-retain	False	False		False		Set sequence to initial stat
ACK_EF S_PREV	Bool	false	Non-retain Non-retain	False False	False False		False False		Acknowledge all errors an faults Output previous step in pa
S_NEXT	Bool	false	Non-retain	False	False		False		rameter S_NO Indicate next step in parar
									eter S_NO
SW_AUTO	Bool	false	Non-retain	False	False		False		Automatic mode
SW_TAP	Bool	false	Non-retain	False	False		False		Semiautomatic/switch with transition
SW_TOP	Bool	false false	Non-retain Non-retain	False False	False False		False False		Semiautomatic/ignore transition Manual mode
SW_MAN S_SEL	Int	0	Non-retain	False	False		False		Select step to be output to
3_322	line line		Non retain	1 4136	laise	i disc	disc		S_NO
S_ON	Bool	false	Non-retain	False	False	False	False		Activate step indicated in S_NO
S_OFF	Bool	false	Non-retain	False	False		False		Deactivate step indicated S_NO
T_PUSH	Bool	false	Non-retain	False	False	False	False		Enable transition to switch in semi automatic mode
▼ Output		-							-
S_NO	Int	0	Non-retain	False	False		False		Step number
S_MORE	Bool	false	Non-retain	False	False		False		More steps are available a can be shown in S_NO
S_ACTIVE ERR_FLT	Bool	false	Non-retain Non-retain	False False	False False		False False		Step indicated in S_NO is a tive Interlock or supervision
EKK_FLI	ВООТ	laise	Non-retain	raise	raise	raise	raise		group error
AUTO_ON	Bool	false	Non-retain	False	False	False	False		Automatic mode is active
TAP_ON	Bool	false	Non-retain	False	False		False		Semiautomatic mode/step with transition enabled
TOP_ON	Bool	false	Non-retain	False	False		False		Semiautomatic mode/ignotransition enabled
MAN_ON	Bool	false	Non-retain	False	False	False	False		Manual mode is active
InOut ▼ Static									
	67 PTD-4-		Non watering	E-I	F-1		т		latera lalete e e e
▼ RT_DATA	G7_RTData- Plus_V2		Non-retain	False	False	-	True		Internal data area
S_DISPLAY	Int	0	Non-retain	False	False		False		Internal display of output parameter S_NO
S_SEL_OLD	Int USInt	0 255	Non-retain Non-retain	False False	False False		False False		Previous value in S_SEL Index of the step in S_NO
S_DISPIDX T_DISPIDX	USInt	255	Non-retain	False	False		False		Index of the transition displayed in T_NO
▼ MOP_EDGE	G7_MOP- Plus_V2		Non-retain	False	False	False	True		Mode in last cycle
AUTO	Bool	false	Non-retain	False	False	False	False		Status: automatic mode
MAN	Bool	false	Non-retain	False	False		False		Status: manual mode
TAP	Bool	false	Non-retain	False	False		False		Status: semi automat- ic/switch with transition
TOP	Bool	false	Non-retain	False	False		False		Status: semi automatic/ig-nore transition
ACK_S	Bool	false	Non-retain	False	False False		False False		Request: acknowledge ste at parameter S_NO
REG_S T_PREV	Bool	false false	Non-retain Non-retain	False False	False		False		Request: register step indi ted in S_NO Request: output previous
T_NEXT	Bool	false	Non-retain	False	False		False		valid transition in T_NO Request: output previous
LOCK	Bool	false		, dije	. 4130		False		transition in T_NO Status: interlocks activate

tally Integrated tomation Portal									
tomation Fortal					i				
e	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
SUP	Bool	false	Non-retain	False	False	False	False		Status: supervisions acti
ACKREQ	Bool	false	Non-retain	False	False	False	False		Status: acknowledgmen
SSKIP	Bool	false	Non-retain	False	False	False	False		quired Status: "Skip steps" enal
OFF	Bool	false	Non-retain	False	False		False		Request: deactivate all s
INIT	Bool	false	Non-retain	False	False	False	False		Request: set sequence t tial state
HALT TMS_HALT	Bool Bool	false false	Non-retain Non-retain	False False	False False		False False		Status: sequence halted Status: all internal timer
									held
OPS_ZERO	Bool	false	Non-retain	False	False		False		Status: set all operands cessed with N, L, D instrations to 0
SACT_DISP	Bool	false	Non-retain	False	False	False	False		Status: display active ste
SEF_DISP	Bool	false	Non-retain	False	False	False	False		Status: display only step with errors and disrupte steps
SALL_DISP	Bool	false	Non-retain	False	False	False	False		Status: display all steps
S_PREV	Bool	false	Non-retain	False	False	False	False		Request: output previoustep to S_NO
S_NEXT	Bool	false	Non-retain	False	False	False	False		Request: Output next st S_NO parameter
S_SELOK	Bool	false	Non-retain	False	False	False	False		Request: output step nu
S_ON	Bool	false	Non-retain	False	False	False	False		ber from S_SEL to S_NO Request: activate step in
S_OFF	Bool	false	Non-retain	False	False	False	False		cated in S_NO Request: deactivate step
T_PUSH	Bool	false	Non-retain	False	False	False	False		parameter S_NO Request: transition swite
REG	Bool	false	Non-retain	False	False	False	False		ing enabled Request: register all inte
ACK	Bool	false	Non-retain	False	False	False	False		lock and supervision err Request: acknowledge a terlock and supervision
IL_PERM	Bool	false	Non-retain	False	False	False	False		rors Status: permanent proceing of all interlocks
T_PERM	Bool	false	Non-retain	False	False	False	False		Status: permanent proce
ILP_MAN	Bool	false	Non-retain	False	False	False	False		ing of all transitions Status: permanent procing of all interlocks in m
LMODE	Bool	false	Non-retain	False	False	False	False		ual mode Status: learning mode is
▼ MOP	G7_MOP-		Non-retain	False	False	False	True		acitve Mode
AUTO	Plus_V2 Bool	truo	Non-retain	False	False	Falso	False		Status: automatic mode
MAN	Bool	true false	Non-retain	False	False		False		Status: automatic mode
TAP	Bool	false	Non-retain	False	False		False		Status: semi automat-
ТОР	Bool	false	Non-retain	False	False	False	False		ic/switch with transition Status: semi automatic/
ACK_S	Bool	false	Non-retain	False	False	False	False		nore transition Request: acknowledge s
REG_S	Bool	false	Non-retain	False	False	False	False		at parameter S_NO Request: register step in
T_PREV	Bool	false	Non-retain	False	False	False	False		ted in S_NO Request: output previou
T_NEXT	Bool	false	Non-retain	False	False		False		valid transition in T_NO Request: output next va
LOCK	Bool	true	Non-retain	False	False		False		transition in T_NO Status: interlocks activa
SUP	Bool	true	Non-retain	False	False		False		Status: interiocks actival Status: supervisions acti
ACKREQ	Bool	true	Non-retain	False	False		False		ted Status: acknowledgmen
·		false	Non-retain	False	False		False		quired Status: "Skip steps" enab
SSKIP OFF	Bool Bool	false	Non-retain Non-retain	False	False		False		Request: deactivate all s
INIT	Bool	true	Non-retain	False	False	False	False		Request: set sequence t tial state
HALT TMS_HALT	Bool Bool	false false	Non-retain Non-retain	False False	False False		False False		Status: sequence halted Status: all internal timer
OPS_ZERO	Bool	false	Non-retain	False	False		False		held Status: set all operands
SACT_DISP	Bool	true	Non-retain	False	False	False	False		cessed with N, L, D instr tions to 0 Status: display active ste
									only
SEF_DISP	Bool	false	Non-retain	False	False	Lalco	False	1	Status: display only step

False

Non-retain

False

False False

Status: display only steps with errors and disrupted steps

Status: display all steps

SEF_DISP

SALL_DISP

false

Bool

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-	Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	HMI engi- neering		Supervi- sion
П	S DREV	Rool	false	Non-retain	False	False	False	False	

e	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	HMI engi- neering	Setpoint	Supervi- sion	Comment
S_PREV	Bool	false	Non-retain	False	False	False	False		Request: output previo
S_NEXT	Bool	false	Non-retain	False	False	False	False		Request: Output next s' S_NO parameter
S_SELOK	Bool	false	Non-retain	False	False	False	False		Request: output step no
S_ON	Bool	false	Non-retain	False	False	False	False		ber from S_SEL to S_NC Request: activate step i
S_OFF	Bool	false	Non-retain	False	False	False	False		cated in S_NO Request: deactivate ste
T_PUSH	Bool	false	Non-retain	False	False	False	False		parameter S_NO Request: transition swit
	Bool	false	Non-retain	False	False		False		ing enabled Request: register all int
REG									lock and supervision er
ACK	Bool	false	Non-retain	False	False	False	False		Request: acknowledge terlock and supervision rors
IL_PERM	Bool	false	Non-retain	False	False	False	False		Status: permanent procing of all interlocks
T_PERM	Bool	false	Non-retain	False	False	False	False		Status: permanent procing of all transitions
ILP_MAN	Bool	false	Non-retain	False	False	False	False		Status: permanent proc
LMODE	Bool	false	Non-retain	False	False	False	False		ing of all interlocks in n ual mode Status: learning mode i
TIME_DELTA	Time	T#0ms	Non-retain	False	False	False	False		acitve Cycle time
▼ SQ_FLAGS	G7_SQFlags- Plus_V2	-	Non-retain	False	False		True		Sequence bit memory
ERR_FLT	Bool	false	Non-retain	False	False	False	False		Interlock and supervision
ERROR	Bool	false	Non-retain	False	False		False		Interlock group error
FAULT	Bool	false	Non-retain	False	False		False		Supervision group error
RT_FAIL	Bool	false	Non-retain	False	False		False		Runtime error
NO_SNO	Bool	false	Non-retain	False	False		False		Requested step number found
NF_OFL	Bool	false	Non-retain	False	False		False		Overflow: too many ON OFF requests
SA_OFL	Bool	false	Non-retain	False	False	False	False		Overflow: too many steactive
TV_OFL	Bool	false	Non-retain	False	False	False	False		Overflow: too many value transitions
MSG_OFL	Bool	false	Non-retain	False	False	False	False		Overflow: not enough stem resources for ALAR
NO_SWI	Bool	false	Non-retain	False	False	False	False		Do not switch in this cy
CYC_OP	Bool	false	Non-retain	False	False	False	False		Cyclic execution of the
AS_MSG	Bool	true	Non-retain	False	False	False	False		quence after initializati Alarms during runtime bled or disabled by inst
AS_SEND	Bool	false	Non-retain	False	False	False	False		tion Send alarms from WR_USMSG or only ent
SQ_BUSY	Bool	false	Non-retain	False	False	False	False		diagnostics buffer Internal edge memory
SA_BUSY	Bool	false	Non-retain	False	False	False	False		for sequence processing Internal edge memory l
AS_SIG	Bool	false	Non-retain	False	False	False	False		for sequence processin Edge memory bit for al-
PRE_CNT	USInt	1	Non-retain	False	False	False	False		from Alarm_S and Alarm Number of permanent structions preceding th
POST_CNT	USInt	1	Non-retain	False	False	False	False		quencer Number of permanent structions after the seq
SQ_CNT	USInt	1	Non-retain	False	False	False	False		er Number of branch path
S_CNT	USInt	7	Non-retain	False	False		False		Number of steps
LOCK_CNT	USInt	1	Non-retain	False	False		False		Number of interlocks
SUP_CNT	USInt	0	Non-retain	False	False		False		Number of supervisions
T_CNT	USInt	8	Non-retain	False	False		False		Number of transitions
SQ_PART_CNT	USInt	3	Non-retain	False	False		False		Number of branches
MAX_TVAL MAX_SACT	USInt	3	Non-retain Non-retain	False False	False False		False False		Max. number of simulta ously valid transitions Max. number of simulta
-		•							ously active steps
AS_MSG	Byte	16#65	Non-retain	False	False		False		Alarm flags
▼ EXEC_BITS	Array[0249] Bool		Non-retain	False	False		False		System-internal
EXEC_BITS[0] EXEC_BITS[1]	Bool	false false	Non-retain	False	False		False False		System-internal
EXEC RUSUU	Bool		Non-retain	False	False		False		System-internal
EXEC_BITS[2]	Bool	false	Non-retain	False	False	-alco			System-internal

	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able I from I HMI/ OPC UA/ Web	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
EXEC_BITS[4]	Bool	false	Non-retain	False	API False I	False	False		System-internal
EXEC_BITS[5]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[6]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[7]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[8]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[9]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[10]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[11]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[12]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[13]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[14]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[15]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[16]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[17]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[18]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[19]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[20]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[21]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[22]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[23]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[24]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[25]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[26]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[27]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[28]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[29]	Bool	false	Non-retain	False	False F		False		System-internal
EXEC_BITS[30]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[31]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[32]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[33]	Bool	false	Non-retain	False	False F		False		System-internal
EXEC_BITS[34]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[35]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[36]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[37]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[38]	Bool	false	Non-retain	False	False F		False		System-internal
EXEC_BITS[39]	Bool	false	Non-retain	False	False F		False		System-internal
EXEC_BITS[40]	Bool	false	Non-retain	False	False F		False		System-internal
EXEC_BITS[41]	Bool	false false	Non-retain Non-retain	False False	False False		False False		System-internal System-internal
EXEC_BITS[42]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[43] EXEC_BITS[44]	Bool	false	Non-retain	False	False I		False		System-internal
	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[45] EXEC_BITS[46]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[47]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[47]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[49]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[50]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[50]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[51]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[52]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[54]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[55]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[56]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[57]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[58]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[59]	Bool	false	Non-retain	False	False F		False		System-internal
EXEC_BITS[60]	Bool	false	Non-retain	False	False F	False	False		System-internal
EXEC_BITS[61]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[62]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[63]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[64]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[65]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[66]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[67]	Bool	false	Non-retain	False	False F	False	False		System-internal
EXEC_BITS[68]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[69]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[70]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[71]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[72]	Bool	false	Non-retain	False	False I	False	False		System-internal
EXEC_BITS[73]	Bool	false	Non-retain	False	False I		False		System-internal
EXEC_BITS[74]	Bool	false	Non-retain	False	False I		False		System-internal

Non-retain

Non-retain

Non-retain

False False

False False

False False

False

False

False

System-internal

System-internal

System-internal

False

False

False

EXEC_BITS[74]
EXEC_BITS[75]

EXEC_BITS[76]

Bool

Bool

Bool

false

false

false

	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able from HMI/ OPC UA/ Web API	HMI engi- neering	ŕ	Supervi- sion	Comment
EXEC_BITS[77]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[78]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[79]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[80]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[81]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[82]	Bool Bool	false false	Non-retain Non-retain	False False		False False	False False		System-internal
EXEC_BITS[83] EXEC_BITS[84]	Bool	false	Non-retain	False		False	False		System-internal System-internal
EXEC_BITS[85]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[86]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[87]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[88]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[89]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[90]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[91]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[92]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[93]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[94]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[95]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[96]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[97]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[98]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[99]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[100]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[101]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[102]	Bool	false false	Non-retain	False	_	False	False		System-internal
EXEC_BITS[103]	Bool	false	Non-retain Non-retain	False False		False False	False False		System-internal System-internal
EXEC_BITS[104] EXEC_BITS[105]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[106]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[107]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[108]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[109]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[110]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[111]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[112]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[113]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[114]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[115]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[116]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[117]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[118]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[119]	Bool	false false	Non-retain Non-retain	False False		False False	False False		System-internal
EXEC_BITS[120]	Bool Bool	false	Non-retain	False		False	False		System-internal System-internal
EXEC_BITS[121] EXEC_BITS[122]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[123]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[124]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[124]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[126]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[127]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[128]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[129]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[130]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[131]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[132]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[133]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[134]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[135]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[136]	Bool	false	Non-retain	False	False		False		System-internal
EXEC_BITS[137]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[138]	Bool Bool	false false	Non-retain Non-retain	False False		False False	False False		System-internal
EXEC_BITS[139] EXEC_BITS[140]	Bool	false	Non-retain Non-retain	False		False	False		System-internal System-internal
EXEC_BITS[140]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[141] EXEC_BITS[142]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[142]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[144]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[145]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[146]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[147]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS[148]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS[149]	Bool	false	Non-retain	False	False	False	False		System-internal

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e	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writ- Visible in able HMI engi- from neering HMI/ OPC UA/ Web API	Setpoint	Supervi- sion	Comment
EXEC_BITS[150]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[151]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[152]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[153]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[154]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[155]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[156]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[157]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[158]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[159]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[160]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[161]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[162]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[163]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[164]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[165]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[166]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[167]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[168]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[169]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[170]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[171]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[172]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[173]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[174]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[175]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[176]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[177]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[178]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[179]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[180]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[181]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[182]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[183]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[184]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[185]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[186]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[187]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[188]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[189]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[190]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[191]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[192]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[193]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[194]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[195]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[196]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[197]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[198]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[199]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[200]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[201]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[202]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[203]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[204]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[205]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[206]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[207]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[208]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[209]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[210]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[211]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[212]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[213]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[214]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[215]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[216]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[217]	Bool	false	Non-retain	False		False		System-internal
EXEC_BITS[218]	Bool	false	Non-retain	False		False		System-internal
EXEC_BITS[219]	Bool	false	Non-retain	False	False False	False		System-internal
EXEC_BITS[220]	Bool	false	Non-retain	False	False False	False		System-internal
[[[[[[false	Non-retain	False		False		System-internal
EXEC_BITS[221]	Bool	laise					The second secon	

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ame		Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
EXEC_BITS	[223]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS	[224]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool Bool	false false	Non-retain Non-retain	False False		False False	False False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal System-internal
EXEC_BITS EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS	[236]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS	[237]	Bool	false	Non-retain	False	False	False	False		System-internal
EXEC_BITS	[238]	Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false false	Non-retain Non-retain	False False		False False	False False		System-internal
EXEC_BITS		Bool Bool	false	Non-retain Non-retain	False		False	False		System-internal System-internal
EXEC_BITS EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
EXEC_BITS		Bool	false	Non-retain	False		False	False		System-internal
▼ OFFSETS	-	G7_Offsets- Plus_V2		Non-retain	False	False	False	True		Internal offsets
SINI_OFFSE		UInt	0	Non-retain	False		False	False		Offset of internal array SINI
LSTT_OFFS	ET	UInt	2	Non-retain	False	False	False	False		Offset of internal array LSTT[]
ATAJ_OFFS	SET	UInt	10	Non-retain	False	False	False	False		Offset of internal array ATAJ[]
ATAB_OFFS	SET	UInt	18	Non-retain	False	False	False	False		Offset of internal array ATAB[]
PSTT_OFFS	ET	UInt	26	Non-retain	False	False	False	False		Offset of internal array PSTT[]
NSTT_OFFS	SET	UInt	34	Non-retain	False	False	False	False		Offset of internal array NSTT[]
ASSJ_OFFS	ET	UInt	42	Non-retain	False	False	False	False		Offset of internal array ASSJ[]
ASSB_OFFS	SET	UInt	49	Non-retain	False	False	False	False		Offset of internal array ASSB[]
PTTS_OFFS	ET	UInt	56	Non-retain	False		False	False		Offset of internal array PTTS[]
NTTS_OFFS	SET	UInt	63	Non-retain	False	False	False	False		Offset of internal array NTTS[]
SW_SQTS_	OFFSET	UInt	70	Non-retain	False	False	False	False		Offset of internal array SW_SQTS[]
SWITCH_O	FFSET	UInt	77	Non-retain	False	False	False	False		Offset of internal array SWITCH[]
TVX_OFFSE	Т	UInt	79	Non-retain	False		False	False		Offset of internal array TVX
TTX_OFFSE		UInt	83	Non-retain	False		False	False		Offset of internal array TTX
TSX_OFFSE		UInt	87	Non-retain	False		False	False		Offset of internal array TSX
SOOX_OFFS SOFFX_OFI		UInt	91	Non-retain Non-retain	False False		False False	False False		Offset of internal array S00X[] Offset of internal array
SONX_OFF		UInt	93	Non-retain	False		False	False		SOFFX[] Offset of internal array
SAX_OFFSI		UInt	95	Non-retain	False	False	False	False		SONX[] Offset of internal array
SERRX_OFF	SET	UInt	97	Non-retain	False	False	False	False		SAX[] Offset of internal array
SMX_OFFS	ET	UInt	105	Non-retain	False	False	False	False		SERRX[] Offset of internal array
SOX_OFFSE	-T	UInt	113	Non-retain	False	Falso	False	False		SMX[] Offset of internal array S0X
S1X_OFFSE		Ulnt	121	Non-retain	False		False	False		Offset of internal array S1X
THRESHOLD_S		USInt	0	Non-retain	False		False	False		Threshold for step activation time
THRESHOLD_\	WARN	USInt	0	Non-retain	False	False	False	False		Threshold for step activation time (warning only)
▼ Turn on conveyo	r	G7_Transition- Plus_V2		Non-retain	False		False	True		Transition structure
TV		Bool	false	Non-retain	False		False	False		Transition is valid
TT TS		Bool	false	Non-retain	False		False	False		Transition is satisfied
		Bool	false	Non-retain	False	raise	False	False		Transition switches

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ne	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able from HMI/ OPC UA/ Web	HMI engi- neering	Setpoint	Supervi- sion	Comment
TNO	Int	1	Non-retain	False	API False	False	False		Indicates the user-defin
▼ Center position detected and	G7_Transition-		Non-retain	False	False	False	True		transition number Transition structure
green product	Plus_V2								
TV	Bool	false	Non-retain	False		False	False		Transition is valid
TT TS	Bool	false	Non-retain	False		False False	False False		Transition is satisfied Transition switches
TNO	Bool	false 2	Non-retain Non-retain	False False		False	False		Indicates the user-defir
INO	ITIL	2	NOII-retairi	raise	raise	raise	raise		transition number
▼ Turn off stopper	G7_Transition-		Non-retain	False	False	False	True		Transition structure
	Plus_V2								
TV	Bool	false	Non-retain	False		False	False		Transition is valid
TC	Bool	false false	Non-retain	False False		False	False False		Transition is satisfied Transition switches
TS TNO	Bool	3	Non-retain Non-retain	False		False False	False		Indicates the user-defin
INO		5							transition number
Empty conveyor	G7_Transition- Plus_V2		Non-retain	False	False	False	True		Transition structure
TV	Bool	false	Non-retain	False	False	False	False		Transition is valid
TT	Bool	false	Non-retain	False	False	False	False		Transition is satisfied
TS	Bool	false	Non-retain	False		False	False		Transition switches
TNO	Int	4	Non-retain	False	False	False	False		Indicates the user-defined transition number
✓ Product detected at the end	G7_Transition-		Non-retain	False	False	False	True		Transition number Transition structure
T. /	Plus_V2	£.1.	At	- 1	F .	F. I	F. /		T
TV	Bool	false	Non-retain	False		False	False		Transition is valid
TT	Bool	false	Non-retain	False		False	False		Transition is satisfied
TS	Bool	false 5	Non-retain	False False		False False	False False		Transition switches Indicates the user-defi
TNO	Int	5	Non-retain						transition number
Centre position detected and no green product	G7_Transition- Plus_V2		Non-retain	False	False	False	True		Transition structure
TV	Bool	false	Non-retain	False	False	False	False		Transition is valid
TT	Bool	false	Non-retain	False	_	False	False		Transition is satisfied
TS	Bool	false	Non-retain	False		False	False		Transition switches
TNO	Int	6	Non-retain	False	False	False	False		Indicates the user-defined transition number
▼ To initial step	G7_Transition-		Non-retain	False	False	False	True		Transition structure
TV	Plus_V2 Bool	false	Non-retain	False	Falso	False	False		Transition is valid
TT	Bool	false	Non-retain	False		False	False		Transition is satisfied
TS	Bool	false	Non-retain	False		False	False		Transition switches
TNO	Int	8	Non-retain	False		False	False		Indicates the user-defi
■ Waiting for product at the be-			Non-retain	False	False	False	True		Transition structure
ginning	Plus_V2	false	Non ratain	Falsa	Falso	Falco	False		Transition is valid
TV TT	Bool	false false	Non-retain	False False		False False	False		Transition is valid
TS	Bool	false	Non-retain Non-retain	False		False	False		Transition switches
TNO	Int	9	Non-retain	False		False	False		Indicates the user-defi
■ Initial stan	G7 StanPlus V2		Non rotain	Eales	Fals-	False	True		transition number
✓ Initial step	G7_StepPlus_V2		Non-retain	False					Step structure
S1	Bool	false	Non-retain	False		False	False		Step is activated
L1 V1	Bool	false false	Non-retain Non-retain	False False		False False	False False		interlock leaving state
V1 R1	Bool	false	Non-retain Non-retain	False		False	False		Supervision entering s Reserved
A1	Bool	false	Non-retain	False		False	False		Error is acknowledged
S0	Bool	false	Non-retain	False		False	False		Step is deactivated
LO	Bool	false	Non-retain	False		False	False		Interlock entering state
VO	Bool	false	Non-retain	False		False	False		Supervision leaving sta
Х	Bool	false	Non-retain	False		False	False		Step is active
LA	Bool	false	Non-retain	False		False	False		Interlock is not satisfie
VA	Bool	false	Non-retain	False		False	False		Supervision active
RA	Bool	false	Non-retain	False		False	False		Reserved
AA	Bool	false	Non-retain	False		False	False		Reserved
SS LS	Bool Bool	false false	Non-retain Non-retain	False False		False False	False False		System-internal Direct result of the pro
VS	Bool	false	Non-retain	False		False	False		med interlock Direct result of the pro
									med supervision
SNO	Int	T#0ms	Non-retain Non-retain	False		False False	False False		User step number
T U	Time Time	T#0ms	Non-retain Non-retain	False False		False	False		Total step activation tine w
T 144V	T'	T#400	NI.		F ,	E-1-	E-1-		disturbance
T_MAX	Time	T#10S	Non-retain	False		False	False		Maximal step activatio
T_WARN SM	Time Bool	T#7S	Non-retain Non-retain	False False		False	False False		Warning time System-internal
	ID OOL	false	inion-refain	False	False	ICAISE	raise	1	pystem-internal

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Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able from HMI/ OPC UA/ Web	Visible in HMI engi- neering	Setpoint	Supervi- sion	Comment
H_IL_ERR	Byte	16#0	Non-retain	False	API False	False	False		System-internal
H_SV_FLT	Byte	16#04	Non-retain	False	False		False		System-internal
▼ Conveyor is running	G7_StepPlus_\		Non-retain	False	False		True		Step structure
S1	Bool	false	Non-retain	False	False	False	False		Step is activated
L1	Bool	false	Non-retain	False	False		False		interlock leaving state
V1	Bool	false	Non-retain	False	False		False		Supervision entering state
R1	Bool	false	Non-retain	False		False	False		Reserved
A1	Bool	false	Non-retain	False	False	False	False		Error is acknowledged
SO	Bool	false	Non-retain	False	False	False	False		Step is deactivated
LO	Bool	false	Non-retain	False	False	False	False		Interlock entering state
V0	Bool	false	Non-retain	False	False	False	False		Supervision leaving state
Χ	Bool	false	Non-retain	False	False		False		Step is active
LA	Bool	false	Non-retain	False	False		False		Interlock is not satisfied
VA	Bool	false	Non-retain	False	False		False		Supervision active
RA	Bool	false	Non-retain	False	False		False		Reserved
AA	Bool	false	Non-retain	False	False		False		Reserved
SS	Bool	false	Non-retain	False	False		False		System-internal
LS	Bool	false	Non-retain	False	False		False		Direct result of the program med interlock
VS	Bool	false	Non-retain	False	False		False		Direct result of the program med supervision
SNO	Int	2	Non-retain	False	False		False		User step number
T	Time	T#0ms	Non-retain	False	False		False		Total step activation time
U	Time	T#0ms	Non-retain	False	False	False	False		Step activation time without disturbance
T_MAX	Time	T#10S	Non-retain	False	False	False	False		Maximal step activation time
T_WARN	Time	T#7S	Non-retain	False	False		False		Warning time
SM	Bool	false	Non-retain	False	False		False		System-internal
H_IL_ERR	Byte	16#0	Non-retain	False	False		False		System-internal
H_SV_FLT	Byte	16#04	Non-retain	False	False		False		System-internal
▼ Stopper	G7_StepPlus_\	/2	Non-retain	False	False		True		Step structure
S1	Bool	false	Non-retain	False	False	False	False		Step is activated
L1	Bool	false	Non-retain	False	False		False		interlock leaving state
V1	Bool	false	Non-retain	False	False		False		Supervision entering state
R1	Bool	false	Non-retain	False	False		False		Reserved
A1	Bool	false	Non-retain	False	False		False		Error is acknowledged
SO	Bool	false	Non-retain	False	False	False	False		Step is deactivated
LO	Bool	false	Non-retain	False	False	False	False		Interlock entering state
VO	Bool	false	Non-retain	False	False	False	False		Supervision leaving state
X	Bool	false	Non-retain	False	False	False	False		Step is active
LA	Bool	false	Non-retain	False	False	False	False		Interlock is not satisfied
VA	Bool	false	Non-retain	False	False	False	False		Supervision active
RA	Bool	false	Non-retain	False	False	False	False		Reserved
AA	Bool	false	Non-retain	False	False	False	False		Reserved
SS	Bool	false	Non-retain	False	False		False		System-internal
LS	Bool	false	Non-retain	False	False		False		Direct result of the programmed interlock
VS	Bool	false	Non-retain	False	False	False	False		Direct result of the program- med supervision
SNO	Int	3	Non-retain	False	False	False	False		User step number
T	Time	T#0ms	Non-retain	False	False		False		Total step activation time
U	Time	T#106	Non-retain	False		False	False		Step activation time without disturbance
T_MAX	Time	T#10S	Non-retain	False	False		False		Maximal step activation time
T_WARN	Time	T#7S	Non-retain	False		False	False		Warning time
SM LI II EDD	Bool	false 16#0	Non-retain	False False	False False		False False		System-internal System-internal
H_IL_ERR H_SV_FLT	Byte Byte	16#04	Non-retain Non-retain	False	False		False		System-internal
Turn off conveyor	G7_StepPlus_\		Non-retain	False	False		True		Step structure
	·								·
S1	Bool	false false	Non-retain	False False	False False		False False		Step is activated
L1	Bool	false	Non-retain Non-retain	False	False		False		interlock leaving state Supervision entering state
V1 R1	Bool	false	Non-retain Non-retain	False	False		False		Reserved
A1	Bool	false	Non-retain	False	False		False		Error is acknowledged
SO	Bool	false	Non-retain	False	False		False		Step is deactivated
LO	Bool	false	Non-retain	False	False		False		Interlock entering state
V0	Bool	false	Non-retain	False	False		False		Supervision leaving state
X	Bool	false	Non-retain	False	False		False		Step is active
LA	Bool	false	Non-retain	False		False	False		Interlock is not satisfied
VA	Bool	false	Non-retain	False		False	False		Supervision active
RA	Bool	false	Non-retain	False		False	False		Reserved
AA	Bool	false	Non-retain	False	False		False		Reserved
SS	Bool	false	Non-retain	False	False	raise	False		System-internal

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ne	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writ- Visible in able HMI engi- from neering HMI/ OPC UA/ Web API	Setpoint	Supervi- sion	Comment
LS	Bool	false	Non-retain	False	False False	False		Direct result of the progra med interlock
VS	Bool	false	Non-retain	False	False False	False		Direct result of the progra
SNO	Int	4	Non-retain	False	False False	False		med supervision User step number
T	Time	T#0ms	Non-retain	False	False False	False		Total step activation time
U	Time	T#0ms	Non-retain	False	False False	False		Step activation time withous disturbance
T_MAX	Time	T#10S	Non-retain	False	False False	False		Maximal step activation ti
T_WARN	Time	T#7S	Non-retain	False	False False	False		Warning time
SM	Bool	false	Non-retain	False	False False	False		System-internal
H_IL_ERR	Byte Byte	16#0 16#04	Non-retain Non-retain	False False	False False False False	False False		System-internal System-internal
H_SV_FLT ▼ Stopper turns off	G7_StepPlus_V2		Non-retain	False		True		Step structure
	· ·							•
S1	Bool	false	Non-retain	False	False False	False		Step is activated
L1 V1	Bool Bool	false false	Non-retain Non-retain	False False	False False False False	False False		interlock leaving state Supervision entering state
R1	Bool	false	Non-retain	False	False False	False		Reserved
A1	Bool	false	Non-retain	False	False False	False		Error is acknowledged
SO	Bool	false	Non-retain	False	False False	False		Step is deactivated
LO	Bool	false	Non-retain	False	False False	False		Interlock entering state
VO	Bool	false	Non-retain	False	False False	False		Supervision leaving state
X	Bool	false	Non-retain	False	False False	False		Step is active
LA	Bool	false	Non-retain	False	False False	False		Interlock is not satisfied
VA	Bool	false	Non-retain	False	False False	False		Supervision active
RA	Bool	false	Non-retain	False	False False	False		Reserved
AA	Bool	false	Non-retain	False	False False	False		Reserved
SS	Bool	false	Non-retain	False	False False	False		System-internal
LS	Bool	false	Non-retain	False	False False	False		Direct result of the progra med interlock
VS	Bool	false	Non-retain	False	False False	False		Direct result of the progra med supervision
SNO	Int	5	Non-retain	False	False False	False		User step number
Т	Time	T#0ms	Non-retain	False	False False	False		Total step activation time
U	Time	T#0ms	Non-retain	False	False False	False		Step activation time with disturbance
T_MAX	Time	T#10S	Non-retain	False	False False	False		Maximal step activation ti
T_WARN	Time	T#7S	Non-retain	False		False		Warning time
SM	Bool	false	Non-retain	False	False False	False		System-internal
H_IL_ERR	Byte	16#0	Non-retain	False	False False	False		System-internal
H_SV_FLT	Byte	16#04	Non-retain Non-retain	False False	False False False False	False True		System-internal
Conveyor reverse move	G7_StepPlus_V2							Step structure
S1	Bool	false	Non-retain	False	False False	False		Step is activated
L1	Bool	false	Non-retain	False	False False	False		interlock leaving state
V1	Bool	false false	Non-retain Non-retain	False False	False False False False	False False		Supervision entering state Reserved
R1 A1	Bool Bool	false	Non-retain	False	False False	False		Error is acknowledged
S0	Bool	false	Non-retain	False		False		Step is deactivated
LO	Bool	false	Non-retain	False	False False	False		Interlock entering state
VO	Bool	false	Non-retain	False	False False	False		Supervision leaving state
X	Bool	false	Non-retain	False	False False	False		Step is active
LA	Bool	false	Non-retain	False	False False	False		Interlock is not satisfied
VA	Bool	false	Non-retain	False	False False	False		Supervision active
RA	Bool	false	Non-retain	False	False False	False		Reserved
AA	Bool	false	Non-retain	False	False False	False		Reserved
SS	Bool	false	Non-retain	False	False False	False		System-internal
LS	Bool	false	Non-retain	False	False False	False		Direct result of the progra med interlock
VS	Bool	false	Non-retain	False	False False	False		Direct result of the progra med supervision
SNO	Int	6	Non-retain	False	False False	False		User step number
T	Time	T#0ms	Non-retain	False	False False	False		Total step activation time
U	Time	T#0ms	Non-retain	False	False False	False		Step activation time with disturbance
T_MAX	Time	T#10S	Non-retain	False	False False	False		Maximal step activation t
T_WARN	Time	T#7S	Non-retain	False	False False	False		Warning time
SM	Bool	false	Non-retain	False	False False	False		System-internal
H_IL_ERR	Byte	16#0	Non-retain	False	False False	False		System-internal
H_SV_FLT	Byte	16#04	Non-retain	False		False		System-internal
▼ Turn off K1_REV	G7_StepPlus_V2		Non-retain	False		True		Step structure
S1	Bool	false	Non-retain	False	False False	False		Step is activated
L1	Bool	false	Non-retain	False	False False	False		interlock leaving state
V1	Bool	false	Non-retain	False	False False	False		Supervision entering stat
R1	Bool	false	Non-retain	False	False False	False		Reserved
A1	Bool	false	Non-retain	False	False False	False		Error is acknowledged

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Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	Writ- Visible in able HMI eng from neering HMI/ OPC UA/ Web API		Supervi- sion	Comment
S0	Bool	false	Non-retain	False	False False	False		Step is deactivated
LO	Bool	false	Non-retain	False	False False	False		Interlock entering state
V0	Bool	false	Non-retain	False	False False	False		Supervision leaving state
X	Bool	false	Non-retain	False	False False	False		Step is active
LA	Bool	false	Non-retain	False	False False	False		Interlock is not satisfied
VA	Bool	false	Non-retain	False	False False	False		Supervision active
RA	Bool	false	Non-retain	False	False False	False		Reserved
AA	Bool	false	Non-retain	False	False False	False		Reserved
SS	Bool	false	Non-retain	False	False False	False		System-internal
LS	Bool	false	Non-retain	False	False False	False		Direct result of the program- med interlock
VS	Bool	false	Non-retain	False	False False	False		Direct result of the program- med supervision
SNO	Int	7	Non-retain	False	False False	False		User step number
Т	Time	T#0ms	Non-retain	False	False False	False		Total step activation time
U	Time	T#0ms	Non-retain	False	False False	False		Step activation time without disturbance
T_MAX	Time	T#10S	Non-retain	False	False False	False		Maximal step activation time
T_WARN	Time	T#7S	Non-retain	False	False False	False		Warning time
SM	Bool	false	Non-retain	False	False False	False		System-internal
H_IL_ERR	Byte	16#0	Non-retain	False	False False	False		System-internal
H_SV_FLT	Byte	16#04	Non-retain	False	False False	False		System-internal
Temp								
Constant								

Alarms

Enable alarms True

Category	Category enabler	Display class
Category Error Warning		0
Warning		0
Info		0
Category 4		0
Category 5		0
Category 6		0
Info Category 4 Category 5 Category 6 Category 7 Category 8		0
Category 8		0

Category for inter-	Error	Subcategory 1 for in-	Subcategory 2 for in-
locks		terlocks	terlocks
Category for supervi-	Error	Subcategory 1 for su-	Subcategory 2 for su-
sions		pervisions	pervisions
Category for GRAPH warnings	Warning	Subcategory 1 for GRAPH warnings	Subcategory 2 for GRAPH warnings

Sequences (1)

1:

