







MVB-1 SIGNAL, D-SUB9 MALE		
CONNECTOR	PIN	SIGNAL
	1	A. Data_0: Line A+
	2	A. Data_1: Line A+
	3	NC
	4	B. Data_0: Line B+
	5	B. Data_1: Line B+
	6	A. Term_0: + pole of TERMINATOR of line A Connected to A.Data_0 of terminator
	7	A. Term_1: - pole of TERMINATOR of line A Connected to A.Data_1 of terminator
	8	B. Term_0: + pole of TERMINATOR of line B Connected to B.Data_0 of terminator
	9	B. Term_1: - pole of TERMINATOR of line B Connected to B.Data_1 of terminator


WTB A1 CONNECTOR, D-SUB9 MALE		
CONNECTOR	PIN	SIGNAL
	1	X: Positive wire of line A
	2	Y: Negative wire of line A
	3	NC
	4	NC
	5	NC
	6	S: Shield
	7	NC
	8	NC
	9	NC


WTB B1 CONNECTOR, D-SUB9 MALE		
CONNECTOR	PIN	SIGNAL
	1	X: Positive wire of line B
	2	Y: Negative wire of line B
	3	NC
	4	NC
	5	NC
	6	S: Shield
	7	NC
	8	NC
	9	NC

MV5-2 Connector, D-SUB9 FEMALE		
CONNECTOR	PIN	SIGNAL
	1	A, Data, P, Line A+
	2	A, Data, N, Line A-
	3	NC
	4	B, Data, P, Line B+
	5	B, Data, N, Line B-
	6	A, Term, P+ = pole of TERMINATOR of line A Connected to A, Data, P of terminator
	7	A, Term, N- = pole of TERMINATOR of line A Connected to A, Data, N of terminator
	8	B, Term, P+ = pole of TERMINATOR of line B Connected to B, Data, P of terminator
	9	B, Term, N- = pole of TERMINATOR of line B Connected to B, Data, N of terminator

WTS A2 CONNECTOR, D-SUB9 FEMALE		
CONNECTOR	PIN	SIGNAL
	1	X: Positive wire of line A
	2	Y: Negative wire of line A
	3	NC
	4	NC
	5	NC
	6	S: Shield
	7	NC
	8	NC
	9	NC

WTB B2 CONNECTOR, D-SUB9 FEMALE		
CONNECTOR	PIN	SIGNAL
	1	X: Positive wire of line B
	2	Y: Negative wire of line B
	3	NC
	4	NC
	5	NC
	6	S: Shield
	7	NC
	8	NC
	9	NC

SRV CONNECTOR, D-SUB9 FEMALE		
CONNECTOR	PIN	SIGNAL
	1	NC
	2	TX (Transmit data)
	3	RX (Receive data)
	4	NC
	5	GND (Ground)
	6	NC
	7	NC
	8	NC
	9	NC

PWR POWER CONNECTOR		
CONNECTOR	PIN	SIGNAL
	A	Frame Ground
	B	+24 Vdc
	C	0 Vdc

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Dimensions in: mm [inches]




<i>Weight</i>	4,5 Kg / 9,9 lb
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Ver.	Date	Name	MODIFICATION
1	12-05-15	G.Tomé	Generation of the drawing
2	05-02-16	G.Tomé	Update

TOLERANCE CLASS	> 0,5 < 3	> 3 < 6	> 6 < 30	> 30 < 120	> 120 < 400
f fine	±0,05	±0,05	±0,1	±0,15	±0,2
m medium	±0,1	±0,1	±0,2	±0,3	±0,5

4	CBL VU	040286	--	--	1	
3	CBL IO	040287	--	--	1	
2	PL_12_CIEGA	010001	--	12 HP	1	
1	GW WTB_IGW400_24V	050249	--	36 HP	2	
Pos.	Description	CAF Power Code	Manufacturer Part	Notes	Quant.	
Reference				Drawing number	060390-00	
IO862_2GW WTB						
Designation					Version	02.00
OVERALL DRAWING						

01	RACK9_ GW WTB MVB	1		CAF P&A	4.500	
	RACK9_ GW WTB MVB			050244		
MARCA	DESCRIPCIÓN	CANT.	CÓDIGO O NORMA	MATERIAL O REFERENCIA	PESO	DIMENSIONES
MARCA	DESCRIZIONE		CÓDICE O NORMA	MATERIALE O RIFERENZA	PESO	DIMENSIONES
					(Kg)	(mm)

<b>LOCOMOTIVA E401</b>					4.500	A1	BEASIN	OT	Y
<b>A</b>	<b>ACTUALIZAR</b>	2016-03-02 14044	<b>ISO 2768 - cK DIN ISO 13920-BF</b>						
<b>B</b>	<b>MODIFICAR CAJETIN</b>	2016-07-05 96411							
Ed.	Descripción	Date	Name						
<b>X:X</b>	Disegnate	01/07/2015	10221	<b>RACK9_ GW WTB MVB</b>  <b>RACK9_ GW WTB MVB</b>					
	Comprova	01/07/2015	14044						
	Verifica	01/07/2015	14422						
		Date	Name						
		es/it							
 CONSTRUCCIONES Y AUXILIAR DE FERROCARRILES, S.A. SEVILLA (SPAIN)				B . 20 . 88 . 108		B		1 / 1	