

Technical data sheet

Connection unit

Part no.: 50037325

MA 4 D.7

Contents

- Technical data
- Electrical connection
- Operation and display
- Accessories



Figure can vary



Technical data

Basic data

Series	MA 4
Suitable for	BPS 3x series bar code positioning system

Electrical data

Protective circuit	Polarity reversal protection
Performance data	
Supply voltage U_B	10 ... 30 V, DC

Connection

Number of connections	2 Piece(s)
Connection 1	
Function	Data interface
Type of connection	Terminal
No. of pins	24 -pin
Connection 2	
Function	Service interface
Type of connection	Sub-D
No. of pins	9 -pin

Mechanical data

Design	Cubic
Dimension (W x H x L)	118 mm x 33 mm x 180 mm
Housing material	Metal
Net weight	672 g
Housing color	Red
Type of fastening	Through-hole mounting Wall mounting

Operation and display

Type of display	LC Display
	LED
Number of LEDs	1 Piece(s)
Operational controls	Via service interface

Environmental data

Ambient temperature, operation	-10 ... 50 °C
Ambient temperature, storage	-20 ... 60 °C
Relative humidity (non-condensing)	90 %

Certifications

Degree of protection	IP 54
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Classification

Customs tariff number	84733080
ECLASS 5.1.4	27379201
ECLASS 8.0	27379201
ECLASS 9.0	27069190
ECLASS 10.0	27069190
ECLASS 11.0	27069090
ECLASS 12.0	27069090
ECLASS 13.0	27069090
ETIM 5.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855
ETIM 8.0	EC001855

Electrical connection

Connection 1

Function	Data interface
Type of connection	Terminal
Cable gland	PG11
No. of pins	24 -pin

Terminal

Assignment

1	SSI DATA+
2	SSI DATA+
3	SSI DATA-
4	SSI DATA-
5	n.c.
6	n.c.
7	SSI CLK-
8	n.c.
9	SE 1
10	n.c.
11	VDD_SE
12	GND_SE
13	SSI CLK+
14	SA1
15	n.c.
16	GND_SA

Electrical connection

Terminal	Assignment
17	V_IN
18	V_IN
19	GND_IN
20	GND_IN
21	PE
22	PE
23	n.c.
24	n.c.

Connection 2

Function	Service interface
Type of connection	Sub-D
Type	Male
No. of pins	9 -pin

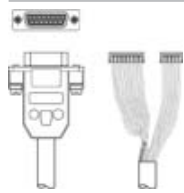
Pin	Pin assignment
1	n.c.
2	RxD
3	TXD
4	n.c.
5	GND
6	n.c.
7	n.c.
8	n.c.
9	n.c.

Operation and display

LED	Display	Meaning
1	Green	Switching output/switching state

Accessories

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50035355	KB 031-3000	Interconnection cable	Suitable for interface: RS 232, RS 485 Connection 1: Sub-D, Axial, Female, 15 -pin Connector, LED: No Connection 2: JST ZHR Shielded: Yes Cable length: 3.000 mm

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.