



Part no.: 50031537
MA 4
Connection unit



Figure can vary

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Part no.: 50031537 – MA 4 – Connection unit

Technical data

Basic data

Series	MA 4
Suitable for	BCL 2x series bar code readers BCL 3x series bar code readers

Electrical data

Performance data

Supply voltage U_B	10 ... 30 V , DC
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Interface

Type	RS 232 , RS 485
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Connection

Number of connections	2 Piece(s)
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Connection 1

Type of connection	Terminal
Function	Data interface PWR / SW IN/OUT
No. of pins	24 -pin

Connection 2

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

Mechanical data

Dimension (W x H x L)	118 mm x 33 mm x 180 mm
Housing material	Metal
Net weight	665 g

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
eCl@ss 8.0	27069190
eCl@ss 9.0	27069190
ETIM 5.0	EC001578
ETIM 6.0	EC001578

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Electrical connection

Connection 1	
Type of connection	Terminal
Function	Data interface PWR / SW IN/OUT
Type of terminal	
Cable gland	PG11
No. of pins	24 -pin

Connection 2	
Type of connection	Sub-D
Function	Service interface
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

LEDs

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 Connection 2: JST ZHR Shielded: Yes Cable length: 3,000 mm

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Note

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