

Contact arrangement/assignment

MA network connector set, consisting of HOST BUS IN and BUS OUT, Part No. 501 11341



HOST BUS IN
(5-pin connector, B-coded)

Pin	Colour	Terminal		
		MA 4x DB-k	MA 21100(.2)	MA 3x 1xx
1	white	n.c.	n.c.	n.c.
2	brown	J (A/N)	3 (RS485B)	3
3	black	n.c.	5 (GND)	5 (GND)
4	blue	G (B/P)	1(RS485A)	1
5	green/yellow	21 (PE)		



BUS OUT
(5-pin socket, B-coded)

Pin	Colour	Terminal		
		MA 4x DB-k	MA 21100(.2)	MA 3x 1xx
1	white	L (VP)	n.c.	n.c.
2	brown	H (A/N)	4 (RS485B)	24 (RS485B)
3	black	K (GND)	6 (GND)	25 (GND)
4	blue	F (B/P)	2 (RS485A)	23 (RS485A)
5	green/yellow	21 (PE)		

Connector set MA Power male, PWR IN, Part No. 501 11340



PWR IN
(5-pin connector, A-coded)

Pin	Colour	Terminal			
		MA 4x DB-k	MA 21100	MA 21100.2	MA 3x 1xx
1	brown	17 (VIN)	17 (VIN)	17 (VIN)	17 (VIN)
2	white	9 (SEI_A)	n.c.	9 (SEI_A)	9 (SEI_A)
3	blue	19 (GND IN)	19 (GND IN)	19 (GND IN)	19 (GND IN)
4	black	n.c.	n.c.	14 (SA1)	14 (SA1)
5	grey	21 (PE)			

Connector set MA Power female, PWR OUT, Part No. 501 11339



PWR OUT
(5-pin socket, A-coded)

Pin	Colour	Terminal			
		MA 4x DB-k	MA 21100	MA 21100.2	MA 3x 1xx
1	brown	18 (VIN)	11 (VDD SE)	18 (VIN)	18 (VIN)
2	white	9 (SEI_A)	n.c.	9 (SEI_A)	9 (SEI_A)
3	blue	20 (GND IN)	12 (GND SE)	20 (GND)	20 (GND)
4	black	n.c.	n.c.	14 (SA1)	14 (SA1)
5	grey	21 (PE)			

Part No. 501 11613



- Appropriate connection sets are available for the easy and convenient connection of the MA... connector units with self-fabricated cables
- M12-built-in connector/socket with 200mm cord length
- Retrofitting for pluggable connection of the MA... connector units
- High protection class of the MA... connector units is retained

We reserve the right to make changes • MA_steckersets_GB.fm



Connector sets for MA in a network

Specifications

Electrical data

Operating voltage
Operating current
Insulation grade

M12 connector

≤ 125VAC/DC
≤ 4A per contact
category II acc. to IEC 60664-1

Mechanical data

Connection type
Conductor cross-section
Conductor diameter
Cord length

screw connection - PG9 (PG11 with reducer ring)
0.25mm²
~1mm
200mm

Environmental data

Operating temperature range

-25°C ... +85°C

Attention: Operating temperature range of the used MA is relevant

Tables

Diagrams

Order guide

Connector sets

Selection table

MA version ↓	Order code →	M-12 set MA Network Part No. 501 11341	M-12 set MA Power male Part No. 501 11340	M-12 set MA Power female Part No. 501 11339	Remarks
MA 4x DP-k (PROFIBUS)	Connector set for the fieldbus/multiNet connection	●			
	Connector set for the voltage supply (with reducer ring)		●		
	Socket for the voltage supply (with reducer ring)			● 1)	
MA 21100(.2) (multiNet slave)	Connector set for the fieldbus/multiNet connection	●			
	Connector set for the voltage supply (with reducer ring)		● 1)		
	Socket for the voltage supply (with reducer ring)			● 1)	
MA 3x 1xx (multiNet master)	Connector set for the fieldbus/multiNet connection (BUS IN depending on HOST, not used in all cases)	●			
	Connector set for the voltage supply (with reducer ring)		● 1)		
	Socket for the voltage supply (with reducer ring)			● 1)	

1) optional