



BEM211 Bus Expansion Module

With the bus expansion module BEM211 a »high speed« connection up to 3 m away is possible with less than 1.5 μ s access time to distributed I/O units. Up to six distributed substations can be directly interconnected in a daisy chain topology. Each substation can in turn handle up to 15 M1 standard modules. The wiring using RJ45 connectors is one advantage of this new technology.

Thus wiring is significantly facilitated. A special protocol is not required to use the I/Os with the bus expansion. The user can access these modules directly: As if they were local.

- Bus expansion master module with 1 interface
- Minimal signal delay
- Distances of up to 3 m between 2 stations

Item	Item-No.
BEM211	00012846-00

BEM211	
Bus expansion interface	
Line length	3 m
Transmission medium	CAT7 special cable
Integrated power supply (optional)	
Voltage range	18 to 34 VDC
Current consumption	Max. 1.2 A at 24 V
Nominal power	17 W
Output current at +5 V	2 A
Output current at +15 V	250 mA
Output current at -15 V	200 mA
Reverse polarity protection	Yes
Approvals / Certificates	
General	CE, cULus, CCC
Ambient conditions	
Operating temperature	-30 to +60 °C
Rel. humidity operation	5 to 95 % without condensation
Storage temperature	-40 to +85 °C
Rel. humidity storage	5 to 95 % without condensation
Pollution degree	2 (without condensation; according to IEC 60664-1)

Order Codes		
Item	Item No.	Description
BEM211	00012846-00	Bus expansion master module with 1 interface
Accessories		
KZ 51/03 B	00012052-00	Terminal 03-pins grid 5,08; cage clamp terminal with labeling strip
K-BE211/0.5 m	00012931-00	Cable bus expansion with RJ45 connector with 0.5 meter, converted
K-BE211/1.0 m	00012931-01	Cable bus expansion with RJ45 connector with 1.0 meter, converted
K-BE211/2.0 m	00012931-03	Cable bus expansion with RJ45 connector with 2.0 meter, converted
K-BE211/3.0 m	00012931-02	Cable bus expansion with RJ45 connector with 3.0 meter, converted