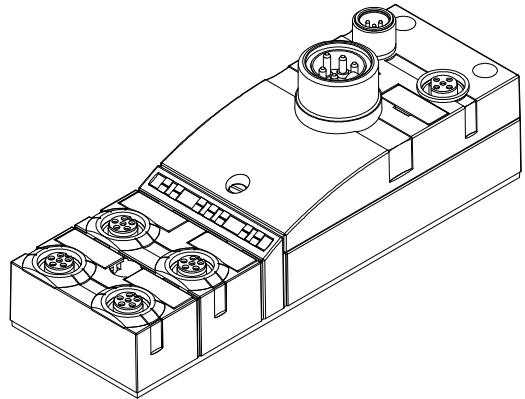


Cube67 BN-P Art. No.: 56501

PROFIBUS Slave IP67



EMC

EN 61131-2 Product standard

EN 61000-4-2 ESD	Contact \pm 4 kV, air \pm 8 kV
EN 61000-4-3 RF-Field & GSM	10 V/m
EN 61000-4-4 Burst	\pm 2 kV
EN 61000-4-5 Surge	asym./symm. \pm 500 V (DC input) asym. \pm 1 kV (Signal connections)
EN 61000-4-6 HF-asymmetric	10 V
EN 61000-4-8 Magnetic field 50 Hz	30 A/m
EN 55011 Emission	QP 40 dB μ V/m (30 - 230 MHz) QP 47 dB μ V/m (230 - 1000 MHz) (class A)

Ambient conditions

Normal operating temperature *	0°C ... +55°C
Extended operating temperature	-10°C ... +60°C
Storage temperature	-25°C ... +70°C
Enclosure type according to EN 60529	IP 67

Please note:

The Cube67 field bus system is very robust and due to the high protection class IP67 it is protected from dust, dirt, and most liquids without an additional housing. Cube 67 is specially designed for harsh industrial applications directly in machines and systems.

The field bus system is not suitable for outdoor use, continuous operation in liquids or high-pressure wash downs.

Mechanical ambient conditions

Oscillation according to EN 60068 Part 2-6 10 – 58 Hz; const. amplitude 0.35 mm
..... 58 – 150 Hz; const. acceleration 15 g
Shock according to EN 60068 Part 2-27 Amplitude 50 g, 11 ms duration

Connection possibilities

Supply cable	Plug connector 7/8"
Bus connection	M12 connector 5-pin (Reverse-Key coding)
.....	
Internal system connection	4 x 6-pin M12 plug connector

				Index	Datum	Gepr.	Data sheet	
g	ATEX entfällt	18-06-15	el	a	14.04.03	RBa	Cube67 BN-P	
f	Ambient Please note	24.06.0	ri	g	18-06-15	el		
e	Temperaturbereic	26.05.0	as	Gepr.				
d	ATEX + Norm	01.03.0	M.H.					
c	EN 50178 entfällt	27.10.0	A.S.			Part. No. 56 501		Blatt 1
b	Change of	25.05.0	A.S.					2 Bl.
Inde	Änderung	Datum	Nam.					
a	Erstausgabe	14.04.0	RBa	56501_db_e_q.doc				

Miscellaneous

Dimensions (LxWxH) in mm 151x50x50,3 mm
 Mounting dimension in mm 125 mm
 Weight Approx. 450 g

Bus data

Transfer protocol PROFIBUS-DP acc. to DIN 19245
 Transfer rates 9.6/19.2/45.45/93.75/187.5/500/
 1500/3000/6000/12000 kBaud
 Baud rate recognition automatic
 Modes Sync mode, Freeze mode are supported
 Addressing 0 to 99 with BCD rotary switch
 Ident. number 064D hex

Power supply

Operation voltage U_B and Sensor power supply 24VIN..... 24 V DC (must always be connected)
 Actuator power supply 24V..... 24 V DC
 Current per PIN Max 9A
 Operation voltage range 18 ... 30 V DC
 Current consumption <= 120 mA
 Sensor supply 24 V DC (not switchable)
 Operating voltage range sensor supply 18 ... 30 V DC
 Actuator supply 24 V DC (switchable)
 Operating voltage range actuator supply 18 ... 30 V DC
 Reverse voltage protection modul electronics yes
 Reverse voltage protection sensor supply no
 Reverse voltage protection actuator supply no
 Overvoltage protection yes (suppressor diode)

International system connection

Rated current sensor supply 4 A for each module plug-in location
 Rated current actuator supply 4 A for each module plug-in location
 Overload/short-circuit electronic short-circuit recognition
 time of liberation < 10 ms

* UL approved!

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