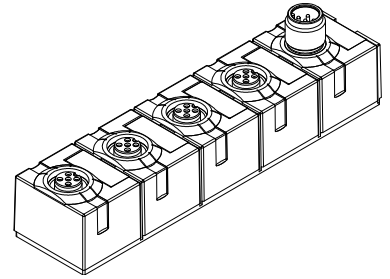


Cube67 DIO8 C 4xM12 Art. No.: 56610

Cube Slave IP67

[M12 socket, contact 4] → 4 inputs or 4 outputs

[M12 socket, contact 2] → 4 diagnosis or 4 function inputs or 4 outputs



EMC

EN 61131-2 Product standard

- EN 61000-4-2 ESD : Contact ± 4 kV, air ± 8 kV
- EN 61000-4-3 RF-Field & GSM : 10 V/m
- EN 61000-4-4 Burst : ± 2 kV
- EN 61000-4-5 Surge : asym./symm. ± 500 V (DC input)
: asym. ± 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 30 dBµV/m (30 - 230 MHz)
: QP 37 dBµV/m (230 - 1000 MHz) (class B)

Ambient conditions

- Operating temperature : 0 °C ... +55 °C
- Storage temperature : -25 °C ... +70 °C
- Enclosure type according to EN 60529 : IP67
- Permissible air pressure (operation) : 70 kPa to 106 kPa (up to 3000 m above sea level)
- Permissible air pressure (storage/transport) : 70 kPa to 106 kPa (up to 3000 m above sea level)

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

- Internal system connection : M12 male plug connector 6-pin
- Sensor / Actuator : 4 x M12 female connector 5-pin

Miscellaneous

- Dimensions (L x W x H) in mm : 126 x 30 x 34,5 mm
- Mounting dimension in mm : 75± 0.5 mm
- Weight : Approx. 130 g

Bus data

- Transfer protocol : internal System
- Transfer rates : 1 Mbaud
- Addressing : automatic

				Idx	Datum	Gepr.	Data sheet	
				a	10.04.03	RBa	Cube67 DIO8 C 4xM12	
f	ATEX entfällt	22-06-15	el	f	23-06-15	el		
e	Luftdruckangabe hinzu	25.09.12	sb	Ges				
d	ATEX + Norm	09.03.06	M.H.					
c	EN 50178 entfällt	02.11.04	as				Art.-No. 56610	Blatt
b	Change of standard	26.05.04	as				1	
Idx.	Änderung	Datum	Nam				2 Bl.	
a	Erstausgabe	10.04.03	RBa	56610_db_e_f.doc				

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 4 A
Operation voltage range	: 18 ... 30 V DC
Current consumption (without inputs)	: ≤ 50 mA
Sensor supply	: Max. 200 mA per socket
Short circuit protection for sensors	: Multi-fuse, up to 100 mA load: Automatic start-up from 100 mA load: A reset is required
Multi-fuse reaction time (time to trip)	: 1s at $I_K \geq 1$ A and 23°C
Connector	: M12 (Max. 0,75 mm ²)
Reverse polarity protection, inputs	: Yes

Inputs / Diagnosis

Delay time for signal change	: 2 up to 5 ms
Input characteristics	: EN 61131-2, Type 2

Outputs

Actuator current load	: max. 0.5 A per actuator
Connector	: M12 (Max. 0,75 mm ²)
Cycle frequency	: max. 50 Hz
Lamp load	: max. 10 W

				Idx	Datum	Gepr.	Data sheet	
				a	10.04.03	RBa		
f	ATEX entfällt	22-06-15	el	f	23-06-15	el		
e	Luftdruckangabe hinzu	25.09.12	sb	Ges				
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c	EN 50178 entfällt	02.11.04	as				Art.-No. 56610	
b	Change of standard	26.05.04	as				Blatt	
Idx.	Änderung	Datum	Nam				2	
a	Erstausgabe	10.04.03	RBa	56610_db_e_f.doc			2 Bl.	