

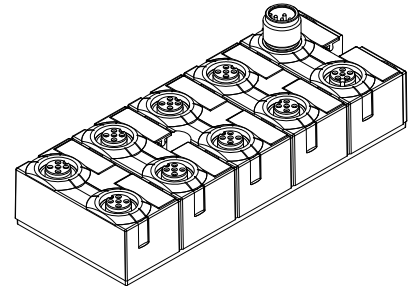
Cube67+ IO-Link E 8xM12 Art. No.: 56766

Cube Slave IP67

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

[M12 socket, contact 2] → 8 diagnostics or 8 inputs or 8 outputs

[M12 socket, contact 4] → 4 IO-Link ports



Conformity	
CE-Conformity	
RoHS- Directive	2011/65/EU
EMC Directive	2004/108/EC
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 55016-2-3 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




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. Cube67 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 In	M12 male plug connector 6-pin
Internal system connection Out	M12 female plug connector 6-pin
Sensor	8 x M12 female connector 5-pin

Miscellaneous	
Dimensions (L × W × H)	126 × 50 × 34,5 mm
Mounting dimension	75 ±0.5 mm
Weight	Approx. 210 g

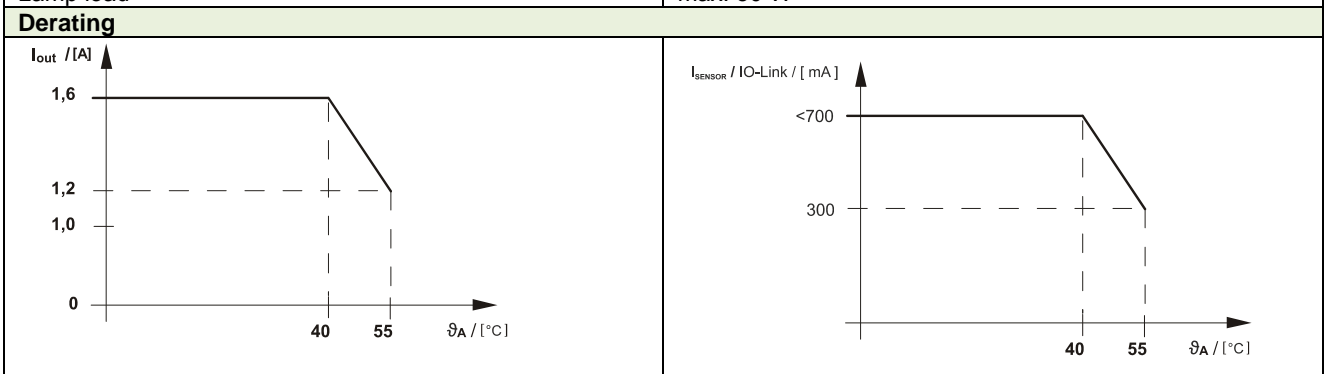
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Bus data	
Transfer protocol	internal System
Transfer rates	1 Mbaud
Addressing	automatic

Power supply	
Operation voltage U_B Sensor power supply 24 VIN	24 V DC (must always be connected)
Actuator power supply 24 V	24 V DC
Current per PIN	max. 4 A
Operation voltage range	18 ... 30 V DC
Current consumption (without inputs)	≤ 100 mA
Sensor supply	max. 200 mA per socket DIO <max. 700 mA per socket IO/Link
Short circuit protection for sensors	Multi-fuse, up to 100 mA load: Automatic start-up From 100 mA load: A reset is required
Short circuit protection for IO-Link	Multi-fuse, up to 300 mA load: Automatic start-up From 300 mA load: A reset is required
Multi-fuse reaction time (time to trip)	1s at $I_k \geq 1$ A and 23 °C
Reverse polarity protection, inputs	Yes
Connector	M12 (max. 0,75 mm ²)

Inputs / Diagnostics	
Delay time for signal change	2 ... 5 ms
Input characteristics	EN 61131-2, Type 2

Outputs	
Actuator current load	max. 1.6 A per actuator
Connector	M12 (Max. 0,75 mm ²)
Cycle frequency	max. 50 Hz
Lamp load	max. 30 W



IO/Link	
Characteristic	IO/Link Spec. V 1.12



NOTE

- ➔ We reserve the right to change this specification
- ➔ Refer to protection notice ISO 16016
- ➔ Documents downloaded by the EDP system and/or printed out have only an informative character and are not subject to the updating service.

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