

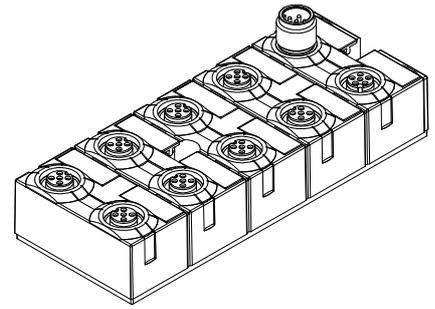
## Cube67+ IO-Link E 8xM12 Art. No.: 56752

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



### 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 .....	± 1 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 .....	IP 67

### 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 / Actuator / IO-Link .....	8x M12 female connector 5-pin

### Miscellaneous

Dimensions (LxWxH) in mm .....	126x50x34,5 mm
Mounting dimension in mm .....	75± 0.5mm
Weight .....	Approx. 210g

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**Bus data**

Transfer protocol ..... Internal System  
 Transfer rates ..... 1 MBaud  
 Addressing ..... Automatic

**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) .....  $\leq 100$  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<sup>2</sup>)

**Inputs / Diagnostics**

Delay time for signal change ..... 2 bis 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<sup>2</sup>)  
 Cycle frequency ..... Max. 50 Hz  
 Lamp load..... Max. 30 W

**IO/Link**

Characteristic..... IO/Link Spec. V 1.00

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