CUBE67+ I/O EXTENSION MODULE

16 DIO channels or 8 IO-Link master A/B

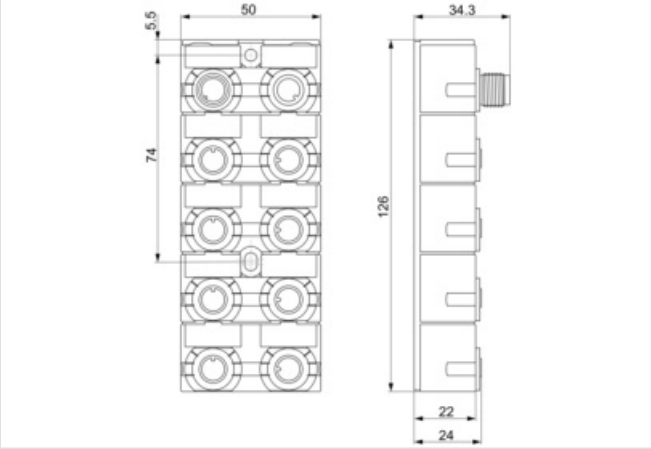
Art.No.: 56768
Weight: 0,215 kg
Country of origin: DE
Model designation: Cube67+ DIO16 IOL8 A/B E 8xM12

Expansion module
DIO16 IOL8 A/B (E) 8xM12
IO-Link Master V1.1.3
Digital inputs/outputs (multifunctional)
Compatible with:
56526 PROFINET
56535 EtherNet/IP
Connection cables are in the online shop under "Connection Technology".
Housing fully potted.
This Cube67+ module can only be operated in conjunction with Cube67+, EtherNet/IP, and PROFINET bus nodes.

Link to Product

Illustration





Product may differ from Image

Commercial data

Manufacturer name	Murrelektronik GmbH
Manufacturer address	Grabenstraße 29, 71570 Oppenweiler, GERMANY
URL Webshop	https://shop.murrelektronik.com/56768
GTIN	4048879868693
EU-Customs tariff number	85389099
US-Customs tariff number	8538908180
Intended use	For professional use only, Indoor use only
Suitable for outdoor use	No
ECLASS-6.0	27242604
ECLASS-7.0	27242604
ECLASS-7.1	27242604
ECLASS-8.0	27242604

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ECLASS-8.1	27242604
ECLASS-9.0	27242604
ECLASS-9.1	27242604
ECLASS-10.0.1	27242604
ECLASS-11.0	27242604
ECLASS-13.0	27242604
ECLASS-14.0	27242604
ETIM-9.0	EC001597
ETIM-10.0	EC001597
Contents per packing unit	1
customs tariff number	85389099
EAN	4048879868693
Packaging unit	1
Electrical data | Supply	
Protective measure	SELV/PELV
Operating voltage US DC	24 V
Total current US max.	4 A
Operating voltage UA DC	24 V
Total current UA max.	4 A
Operating voltage IO-Link DC min.	20.3 V
Operating voltage IO-Link DC max.	30 V
Open-circuit current	0.18 A
Electrical data | Input	
Type input	PNP (EN 61131-2) Type 3
Input delay	min. 0 ms
Input delay	max. 15 ms
Electrical data | Output	
Output current	2 A
Switching frequency max.	50 Hz
Industrial communication | IO-Link	
type	Master
revision ID	V1.1
transmission rate	COM1, COM2, COM3
Device protection | Electrical	
Installation height max. ASL	3000 m
Degree of protection (EN IEC 60529)	IP65, IP67
Protection class (EN IEC 61140)	III
Additional condition protection class	Power supply must comply with SELV or PELV
Invers-polarity protection	Yes
Pollution Degree	2
Over voltage protection	Yes
Overload protection device supply	Yes
Short circuit protection sensor supply	MOSFET with current measurement
Protective circuitry input	Internal, Suppressor diode
Short-circuit protection output	electronic
Galvanic separation US/UA	No
Device protection | Mechanical	
Shock resistance (EN IEC 60068-2-27)	50 g 11 ms
Vibration resistance (EN IEC 60068-2-6)	0,35 mm (10 ... 58 Hz), 20 g (58 ... 150 Hz)
Mechanical data | Material data	
housing	Plastic
Mechanical data | Mounting data	

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Net weight	215 g
Height	126 mm
Width	50 mm
Depth	34.3 mm
Environmental characteristics | Electromagnetic compatibility	
Interference emission	EN 55016-2-3
Immunity to interference	EN/IEC 61000-4-2, EN IEC 61000-4-3, EN/IEC 61000-4-4, EN/IEC 61000-4-5, EN IEC 61000-4-6
Environmental characteristics | Climatic	
Ambient temperature (operation)	-25 °C … 60 °C
Ambient temperature (storage, transport)	-25 °C … 80 °C
Relative humidity (operation)	95 %
Additional condition temperature range	provide acclimatization for commissioning
Technical Data | Reliability	
MTTF (EN/IEC 61709, EN ISO 13849-1, SN 29500)	33 a @ 40 °C
Environmental product conformity	
REACH ((EC) 1907/2006)	compliant
RoHS (2011/65/EU, (EU) 2015/863)	compliant
RoHS-Exemption (2011/65/EU)	keine RoHS-Ausnahme, 7(a), 7(c)-I
China RoHS (SJ/T 11364, GB/T 26572)	EFUP-25
WEEE (2012/19/EU)	Category 5
Conformity	
Product standard	IEC/EN 61131-2
CE	2014/30/EU, 2011/65/EU
UKCA	The Electromagnetic Compatibility Regulations 2016, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
Approvals	
UL Listed (US, CA)	E201820
Connection type 3-3	
Connection type 1	Bus In
Connection type 2	Bus Out
Connection type 3	0, 1, 2, 3, 4, 5, 6, 7
Family construction form	M12
No. of poles	6
Coding	A
Gender	male
Color contact carrier	black
PIN 1	24 V DC (UA)
PIN 2	24 V DC (US)
PIN 3	0 V
PIN 4	Bus internal
PIN 5	Bus internal
PIN 6	0 V
Family construction form	M12
No. of poles	6
Coding	A
Gender	female
Color contact carrier	black
PIN 1	24 V DC (UA)
PIN 2	24 V DC (US)
PIN 3	0 V
PIN 4	Bus internal

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PIN 5	Bus internal
PIN 6	0 V
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	DI / DO / AUX
PIN 3	0 V
PIN 4	DI / DO / IO-Link
PIN 5	0 V

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