MURR ELEKTRONIK
stay connected

MVK MPNIO DI16 galvanic separation

MVK PROFINET compact module, metal

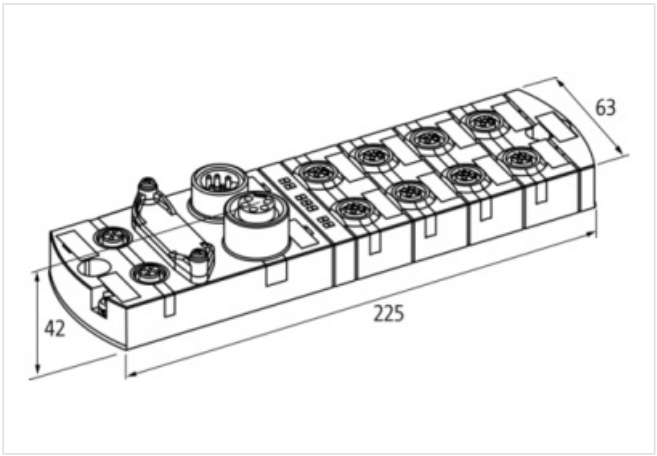
Art.No.: 54530
Weight: 0.951 kg
Country of origin: DE
Model designation: MVK MPNIO DI16

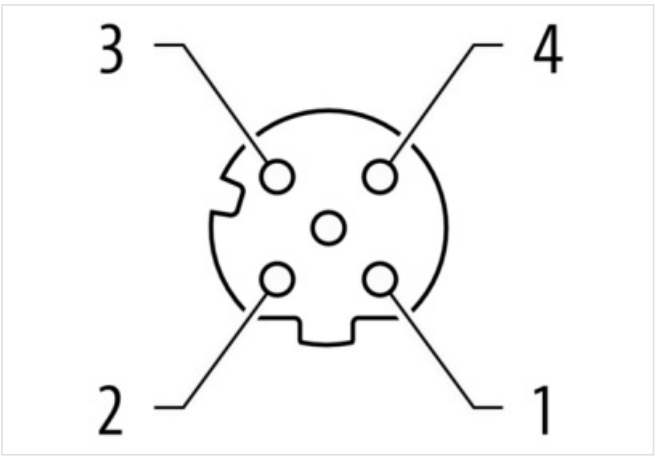
Digital inputs
DI16 (IRT)
Ethernet 10/100 Mbit/s; M12, D-coded
7/8", 5-pole, max. 9 A, protection against reverse polarization
M12, 5-pole, A-coded
Fast-Start-Up (FSU)
Galvanic isolation
Connection cables are in the online shop under "Connection Technology".
Housing fully potted.

Link to Product

Illustration







Product may differ from Image

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Commercial data	
URL Webshop	https://shop.murrelektronik.com/54530
GTIN	4048879798976
Customs tariff number	85389099
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-7.1	27242604
ECLASS-8.0	27242604
ECLASS-8.1	27242604
ECLASS-9.0	27242604
ECLASS-9.1	27242604
ECLASS-10.0.1	27242604
ECLASS-10.1	27242604
ECLASS-11.0	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ECLASS-13.0	27242604
ECLASS-14.0	27242604
customs tariff number	85389099
EAN	4048879798976
Packaging unit	1
Electrical data | Supply	
Norm operating voltage	IEC/EN 61131-2
Operating voltage US DC	24 V
Total current US max.	9 A
Total current UA max.	9 A
Electrical data | Input	
Sensor current US per input max.	0,2 A
Short-circuit protected	Yes
Overload resistant	Yes
Type input	for 3-wire sensors or mechanical switches, PNP
Industrial communication | Bus data	
Supported protocol	Profinet
Industrial communication | Profinet	
Conformance Class	C
addressing	DCP
Netload Class	III
Specification	V2.3
IRT-network communication	Yes
MRP client	Yes
Fast-Start-Up (FSU)	Yes
Fast start up time max.	0,5 s
Shared device/input	Yes
Number of active connections (IO controller) max.	2
Diagnostics	
Actuator warning	per channel via LED and BUS
Short circuit diagnosis	Yes
Overload diagnosis	Yes
Cable break	per port
Diagnostic	No voltage, Under voltage
Diagnostic via BUS	per module and channel

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Diagnostic via LED	per module and channel
LED display	Ethernet connection/data traffic
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP67
Mechanical data | Mounting data	
Height	39 mm
Width	63 mm
Depth	225 mm
Suitable for mounting type	2-hole screw mounting
Environmental characteristics | Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	55 °C
Ambient temperature (storage, transport)	-25 °C … 70 °C
Connection type 4	
Connection type 1	X0-X7
Connection type 2	XD1
Connection type 3	XD2
Connection type 4	XF1, XF2
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
PIN 3	0 V (US)
PIN 4	DI
PIN 5	PE
Family construction form	7/8"
No. of poles	5
Gender	male
Color contact carrier	black
PIN 1	0 V (UA)
PIN 2	0 V (US)
PIN 3	PE
PIN 4	24 V DC (US)
PIN 5	24 V DC (UA)
Family construction form	7/8"
No. of poles	5
Gender	female
Color contact carrier	black
PIN 1	0 V (UA)
PIN 2	0 V (US)
PIN 3	PE
PIN 4	24 V DC (US)
PIN 5	24 V DC (UA)
Family construction form	M12
No. of poles	4
Coding	D
Gender	female
Color contact carrier	black
Mounting method	inserted, screwed

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Tightening torque	0,6 Nm
PIN 1	TD +
PIN 2	RD +
PIN 3	TD -
PIN 4	RD -
PIN 5	n.c.

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