MVK MPNIO DI6 DO6 IOL IRT MVK ProfiNet, metal, galvanic separation

PushPull RJ45, Energy via PushPull 5-pol.

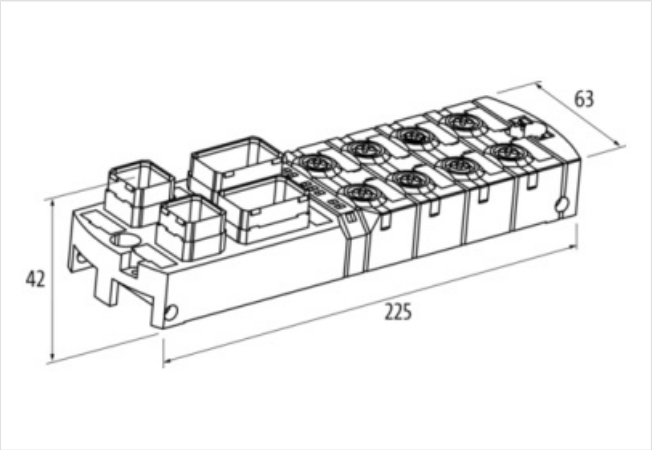
Art.No.: 55516
Weight: 1,010 kg
Country of origin: DE
Model designation: MVK MPNIO DI6 DO6 IOL2 IRT PP

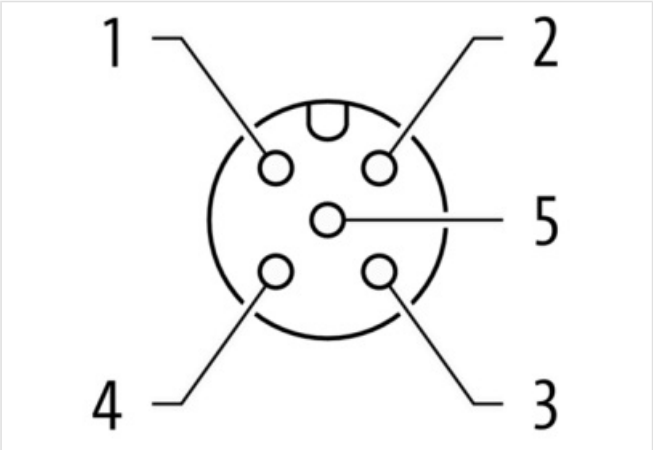
Digital inputs/outputs
DI6 DO6 IOL2 (IRT)
Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector
Push Pull Power connector, max. 12 A
M12, 5-pole, A-coded
Galvanic isolation
Connection cables are in the online shop under "Connection Technology".
Housing fully potted.

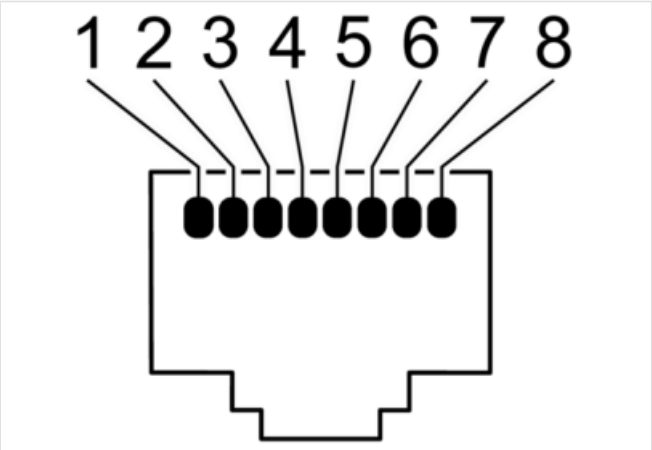
Link to Product

Illustration









Product may differ from Image

Commercial data

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URL Webshop	https://shop.murrelektronik.com/55516
GTIN	4048879619974
EU-Customs tariff number	85389099
US-Customs tariff number	8538908180
ECLASS-6.0	27242604
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
ETIM-5.0	EC001599
ETIM-6.0	EC001599
ETIM-7.0	EC001599
ETIM-8.0	EC001599
ETIM-9.0	EC001599
ETIM-10.0	EC001599
customs tariff number	85389099
EAN	4048879619974
Packaging unit	1
Electrical data | Supply	
Norm operating voltage	IEC/EN 61131-2
Operating voltage US DC	24 V
Total current US max.	12 A
Operating voltage UA DC	24 V
Total current UA max.	12 A
Electrical data | Input	
Sensor current US per input max.	0.2 A
Sensor current US per IO-Link port max.	1 A
Short-circuit protected	Yes
Overload resistant	Yes
Type input	for 3-wire sensors or mechanical switches, IO-Link Devices, PNP
Electrical data | Output	
Output current per pin max.	2 A
Overload resistant	Yes
Short-circuit protected	Yes
Lamp load	10 W
Industrial communication | Bus data	
Supported protocol	PROFINET
Industrial communication | PROFINET	
Conformance Class	C
addressing	DCP
Netload Class	III
Specification	V2.3

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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
Industrial communication | IO-Link	
type	2× Master
Port Class	B
revision ID	V1.1.2
transmission rate	COM1, COM2, COM3
process data length input	32 byte
process data length output	32 byte
Automatic baudrate detection	automatic
Diagnostics	
Actuator warning	per channel via LED and BUS
Short circuit diagnosis	Yes
Overload diagnosis	Yes
Cable break	per port
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel
LED display	Ethernet connection/data traffic
IO-Link events	Undervoltage supply, No voltage
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP67
Galvanic separation input/output	Yes
Mechanical data | Mounting data	
Height	42.7 mm
Width	63 mm
Depth	225 mm
Suitable for mounting type	2-hole screw mounting
Environmental characteristics | Climatic	
Operating temperature min.	0 °C
Operating temperature max.	55 °C
Ambient temperature (storage, transport)	-20 °C … 70 °C
Connection type 5-5	
Connection type 1	X0-X2
Connection type 2	X3-X5
Connection type 3	X6, X7
Connection type 4	XD1, XD2
Connection type 5	XF1, XF2
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	n.c.
PIN 2	DO
PIN 3	0 V (UA)
PIN 4	DO
PIN 5	PE

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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	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	gray
PIN 1	24 V DC (US)
PIN 2	DO
PIN 3	0 V (US)
PIN 4	DI / IO-Link (US)
PIN 5	0 V (UA)
Family construction form	Push Pull
No. of poles	5
Gender	male
Color contact carrier	green
PIN 1	24 V DC (US)
PIN 2	0 V (US)
PIN 3	24 V DC (UA)
PIN 4	0 V (UA)
PIN 5	PE
Family construction form	RJ45
No. of poles	8
Gender	female
Color contact carrier	black
PIN 1	TD +
PIN 2	TD -
PIN 3	RD +
PIN 4	n.c.
PIN 5	n.c.
PIN 6	RD -
PIN 7	n.c.
PIN 8	n.c.

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