

MVK+ MPNIO DI8 DI8 IRT PUSH PULL

only for Daimler projects!

Art.No.: 555280

Weight: 0.975

Country of origin: DE

Model designation: MVK+ MPNIO DI8 DI8 IRT PP

Digital inputs

DI8 DI8 (IRT)

Ethernet 10/100 Mbit/s; Push Pull RJ45 Data connector

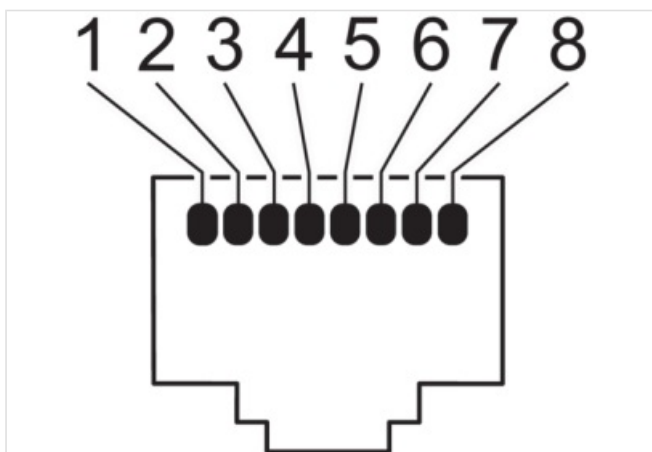
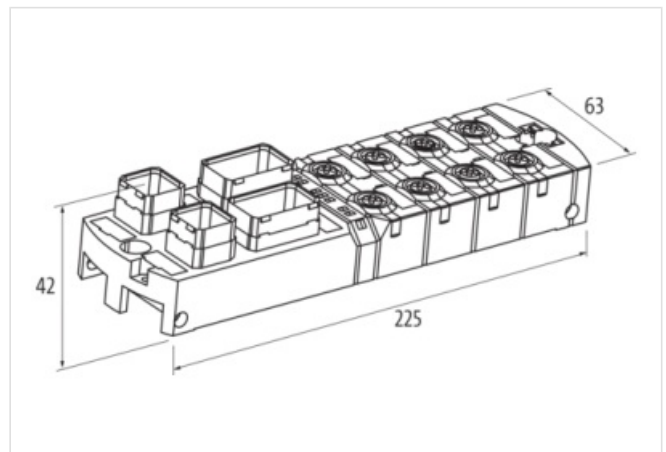
Push Pull Power connector, max. 12 A

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

**Header**

The information in this Product-PDF has been compiled with the utmost care.
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Material short text	MVK+ MPNIO DI8 DI8 IRT PP
Commercial data	
URL Webshop	https://shop.murrelektronik.com/555280
GTIN	4048879563369
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
customs tariff number	85389099
EAN	4048879563369
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
Total current UA max.	12 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	
Supported protocol	PROFINET
Industrial communication Profinet	
PROFINET conformance class	C
PROFINET addressing	DCP
PROFINET Netload Class	III
PROFINET specification	V2.2
IRT (network communication)	yes
MRP client	yes
FSU (Fast-Start-Up)	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
Diagnostic via LED	per module and channel
LED display	Ethernet connection/data traffic

Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
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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
Storage temperature min.	-20 °C
Storage temperature max.	70 °C

Connection type 3

Connection type 1	Power In, Power Out
Connection type 2	X4-X7
Connection type 3	XD1, XD2
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	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	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.