

Impact67 PN DIO12 DIO4/IOL4 M12L 4P

ProfiNet, Compact module,

Art.No.: 55152

Weight: 0.486 kg

Country of origin: DE

Model designation: Impact67 PN DIO12 DIO4/IOL4 M12L 4P

Digital inputs/outputs

DIO12 IOL4 (IRT)

Ethernet 10/100 Mbit/s; M12, D-coded

M12 Power, 4-pole, L-coded

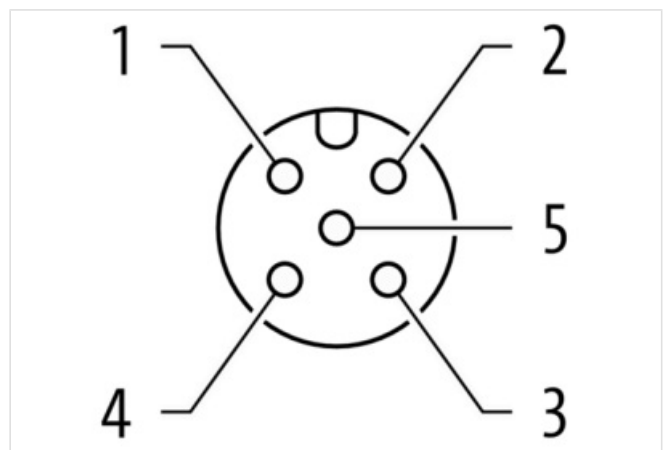
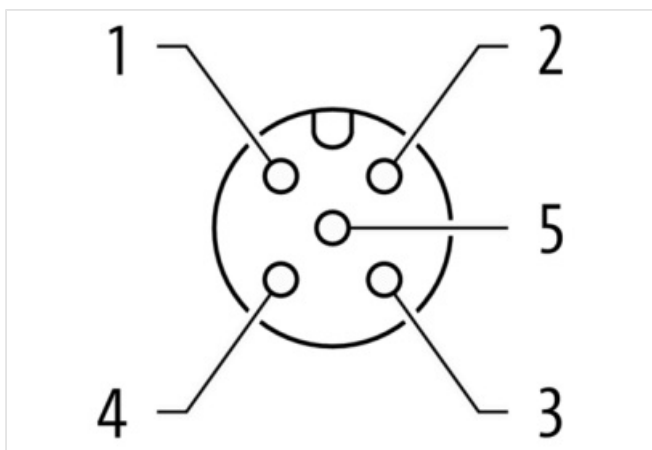
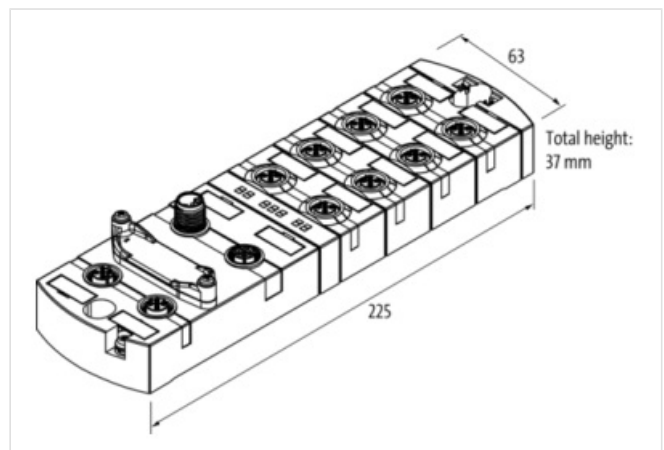
M12, 5-pole, A-coded

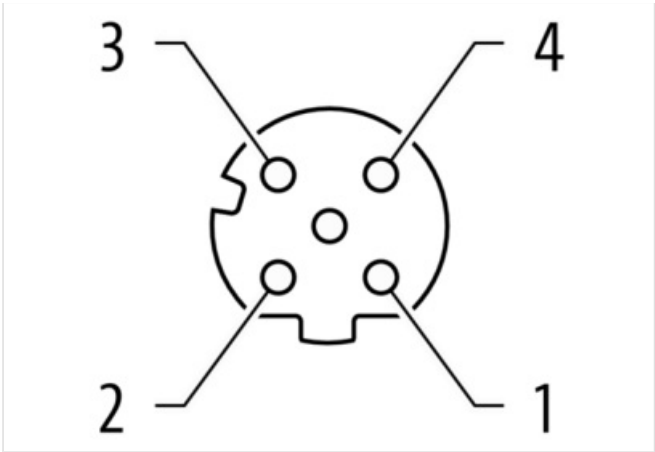
IO-Link Master V1.1.2

Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

mounting compatible with I/O modules of the MVK series

[Link to Product](#)**Illustration**



Product may differ from Image



Commercial data	
URL Webshop	https://shop.murrelektronik.com/55152
GTIN	4048879735766
EU-Customs tariff number	85389099
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	4048879735766
Packaging unit	1
Electrical data Supply	
Norm operating voltage	IEC/EN 61131-2
Operating voltage US DC	24 V
Total current US max.	16 A
Operating voltage UA DC	24 V
Total current UA max.	16 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.	1,6 A
Total current outputs max.	9 A
Overload resistant	Yes
Short-circuit protected	Yes
Lamp load	10 W

Industrial communication | Bus data

Supported protocol	PROFINET
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Industrial communication | PROFINET

Conformance Class	C
addressing	DCP
Netload Class	III
Specification	V2.3
IRT-network communication	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	4× Master
Port Class	B
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
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
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Mechanical data | Mounting data

Height	37 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 5

Connection type 1	X0-X3
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Connection type 2	X4-X7
Connection type 3	XD1
Connection type 4	XD2
Connection type 5	XF1, XF2
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	24 V DC
PIN 2	DI / DO
PIN 3	0 V
PIN 4	DI / DO
PIN 5	PE
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	black
PIN 1	24 V DC
PIN 2	DI / DO
PIN 3	0 V
PIN 4	DI / DO / IO-Link
PIN 5	0 V
Family construction form	M12
No. of poles	5
Coding	L
Gender	male
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC (UA)
PIN 5	n.c.
Family construction form	M12
No. of poles	4
Coding	L
Gender	female
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC (UA)
Family construction form	M12
No. of poles	4
Coding	D
Gender	female
Color contact carrier	black
Mounting method	inserted, screwed
Tightening torque	0,6 Nm
PIN 1	TD +
PIN 2	RD +
PIN 3	TD -
PIN 4	RD -

PIN 5

n.c.