IMPACT67 Pro PN DIO8 IOL8 M12L 5P

PROFINET, compact module, plastic

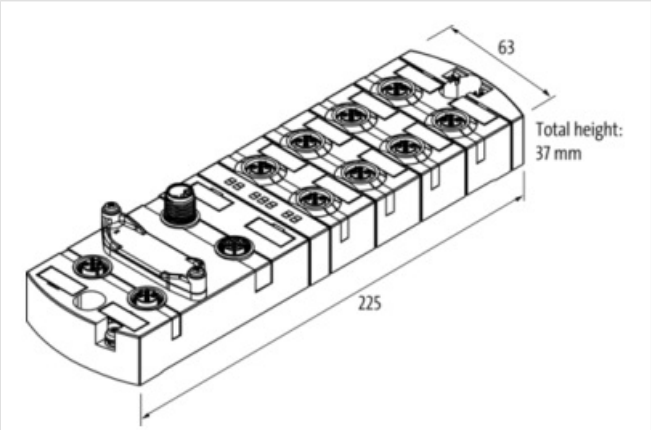
Art.No.: 54630
Weight: 0,470 kg
Country of origin: DE
Model designation: IMPACT67 Pro PN DIO8 IOL8 M12L 5P

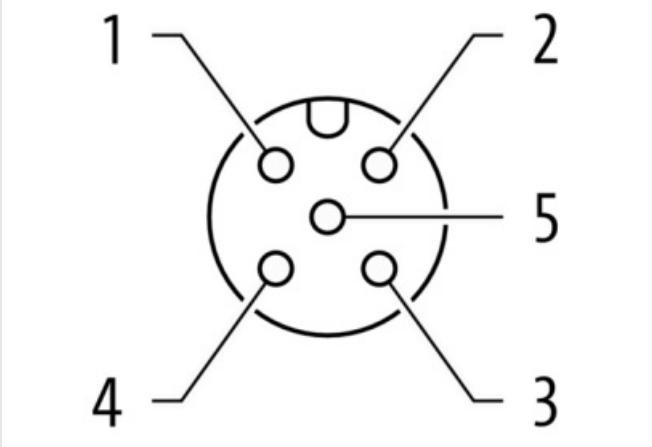
Digital inputs/outputs
Ethernet 10/100 Mbit/s; M12, D-coded
IO-Link V1.1
M12 Power, 5-pole, L-coded
M12, 5-pole, A-coded
Housing fully potted.
Connection cables are in the online shop under "Connection Technology".
mounting compatible with I/O modules of the MVK series

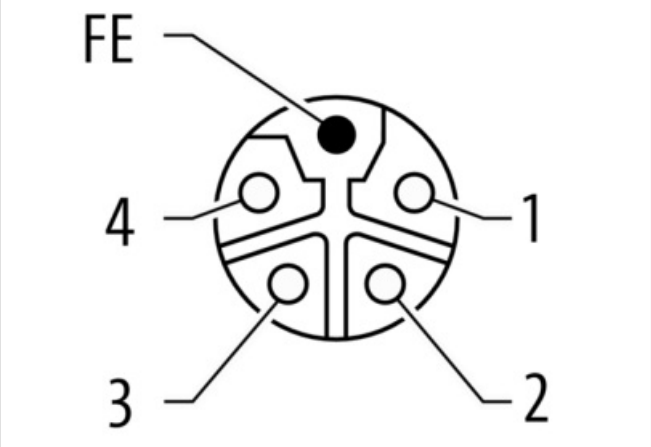
Link to Product

Illustration

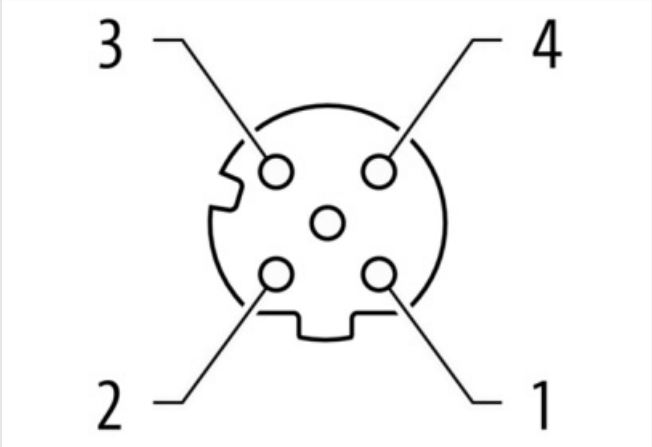








The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14



Product may differ from Image

Commercial data	
URL Webshop	https://shop.murrelektronik.com/54630
GTIN	4048879859929
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	4048879859929
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

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14

Total current UA max.	16 A
Electrical data | Input	
Sensor current US per input max.	2 A
Current carrying capacity max.	10 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
Max. current output per port	4 A
Actuator current UA per output max.	2 A
Total current outputs max.	10 A
Overload resistant	Yes
Short-circuit protected	Yes
Industrial Communication	
Web interface	Yes
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
Shared device/input	Yes
Number of active connections (IO controller) max.	2
Industrial communication | IO-Link	
type	8× Master
Port Class	A, B
transmission rate	COM1, COM2, COM3
process data length input	32 byte
process data length output	32 byte
Automatic baudrate detection	automatic
Industrial communication | IIoT functions	
JSON integration	REST-API, MQTT
OPC UA transport	UA TCP, UA Binary Encoding, UA Secure Conversation
Publishing interval OPC UA min.	100 ms
Number of sessions / clients OPC UA max.	5
Diagnostics	
Actuator warning	per channel via LED and BUS
Temperature control	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
Current Monitoring	Yes
Voltage monitoring	Yes
Device protection | Electrical	
Degree of protection (EN IEC 60529)	IP67

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14

Mechanical data | Mounting data	
Height	37 mm
Width	63 mm
Depth	225 mm
Suitable for mounting type	2-hole screw mounting
Environmental characteristics | Climatic	
Ambient temperature (operation)	-40 °C … 70 °C
Ambient temperature (storage, transport)	-40 °C … 85 °C
Connection type 4-4	
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	gray
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	PE
Family construction form	M12
No. of poles	5
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)
PIN 5	PE
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 -

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14

PIN 4	RD -
PIN 5	n.c.

The information in this Product-PDF has been compiled with the utmost care.
Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-10-14