

**Impact67 PN DIO14 DIO2/IOL2 M12L 5P**

ProfiNet, Compact module,

Art.No.: 55171

Weight: 0.486

Country of origin: DE

Model designation: Impact67 PN DIO14 DIO2/IOL2 M12L 5P

Digital inputs/outputs

DIO14 IOL2 (IRT)

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

M12 Power, 5-pole, L-coded

M12, 5-pole, A-coded

IO-Link Master V1.1.2

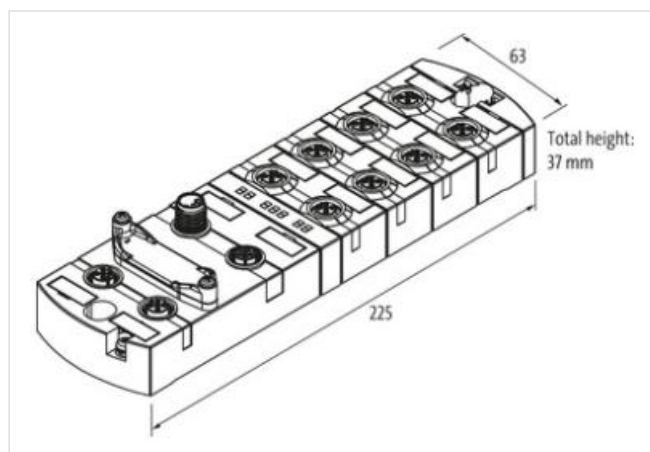
Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

mounting compatible with I/O modules of the MVK series

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

Product may differ from Image

**Commercial data**

ECLASS-6.0	27242604
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-8.0	27242604
ECLASS-9.0	27242604
ECLASS-10.1	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ETIM-5.0	EC001599
customs tariff number	85389099
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GTIN	4048879778664
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Packaging unit	1
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<b>Electrical data   Supply</b>	
Norm operating voltage	EN 61131-2
Operating voltage US DC	24 V
Operating voltage UA DC	24 V
Total current UA max.	16 A
Total current US max.	16 A
<b>Electrical data   Input</b>	
Type input	PNP, for 3-wire sensors or mechanical switches, IO-Link Devices
Overload resistant	yes
Short-circuit protected	yes
Sensor current US per input max.	0,2 A
Sensor current US per IO-Link port max.	1 A
<b>Electrical data   Output</b>	
Overload resistant	yes
Short-circuit protected	yes
Output current per pin max.	1,6 A
Lamp load	10 W
Total current outputs max.	9 A
<b>Industrial communication</b>	
Supported protocol	PROFINET
<b>Industrial communication   Profinet</b>	
Number of active connections (IO controller) max.	2
FSU (Fast-Start-Up)	yes
Fast start up time max.	0,5 s
IRT (network communication)	yes
PROFINET Netload Class	III
PROFINET addressing	DCP
PROFINET conformance class	C
PROFINET specification	V2.3
Shared device/input	yes
<b>Industrial communication   IO-Link</b>	
IO-Link type	2x Master
Port Class	B
IO-Link transmission rate	COM1, COM2, COM3
IO-Link process data length input	32 Bytes
IO-Link process data length output	32 Bytes
Automatic baudrate detection	yes
<b>Diagnostics</b>	
Actuator warning	per channel via LED and BUS
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel
IO-Link events	No voltage, Undervoltage supply
LED display	Ethernet connection/data traffic
Cable break	per port
<b>Device protection   Electrical</b>	
Degree of protection (EN IEC 60529)	IP67
<b>Mechanical data   Mounting data</b>	
Suitable for mounting type	2-hole screw mounting

Height	37 mm
Width	63 mm
Depth	225 mm

**Environmental characteristics | Climatic**

Operating temperature min.	-25 °C
Operating temperature max.	55 °C
Storage temperature min.	-25 °C
Storage temperature max.	70 °C

**Connection type 5**

Connection type 1	X0-X5
Connection type 2	X6, X7
Connection type 3	XD1
Connection type 4	XD2
Connection type 5	XF1, XF2
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	24 V DC
PIN 2	DI / DO
PIN 3	0 V
PIN 4	DI / DO
PIN 5	PE
Family construction form	M12
Gender	female
Color contact carrier	gray
Coding	A
No. of poles	5
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
Gender	male
Color contact carrier	black
Coding	L
No. of poles	5
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
Gender	female
Color contact carrier	black
Coding	L
No. of poles	5
PIN 1	24 V DC (US)
PIN 2	0 V
PIN 3	0 V
PIN 4	24 V DC (UA)

PIN 5	PE
Mounting method	inserted, screwed
Tightening torque	0,6 Nm
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	D
No. of poles	4
PIN 1	TD +
PIN 2	RD +
PIN 3	TD -
PIN 4	RD -