

## Impact67 PN DIO16 M12L 4P

ProfiNet, Compact module,

Art.No.: 55150 Weight: 0.486 Country of origin: DE

Model designation: Impact67 PN DIO16 M12L 4P

Digital inputs/outputs

DIO16 (IRT)

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

M12 Power, 4-pole, L-coded M12, 5-pole, A-coded

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

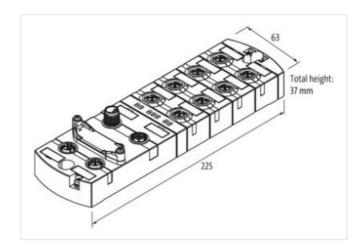
Housing fully potted.

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	
customs tariff number	85389099	
GTIN	4048879735742	
GTIN	4048879735742	
Packaging unit	1	

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stay connected

Electrical data   Supply	Packaging unit	1
Operating voltage US DC         24 V           Operating voltage UA DC         24 V           Total current US max.         16 A           Total current US max.         16 A           Electrical data Input           Type input         PNP, for 3-wire sensors or mechanical switches           Overfload resistant         yes           Sensor current US per input max.         9 A           Electrical data   Output         Ves           Short-circuit protected         yes           Short-circuit protected         yes           Short-circuit protected         yes           Short-circuit protected         yes           Output current per jim max.         1,6 A           Lamp load         10 W           Total current outputs max.         9 A           Industrial communication         PROFINET           Industrial communication   Profinet         Industrial communication   Profinet           Number of active connections (IO controller)         2           FSU (Fast-Start-Up)         yes           Fast start up time max.         0,5 s           Iff (refework communication)         yes           PROFINET entload Class         III           PROFINET addressing         DCP	Electrical data   Supply	
Operating voltage US DC         24 V           Operating voltage UA DC         24 V           Operating voltage UA DC         24 V           Total current US max.         16 A           Total current US max.         16 A           Electrical data Input           Type input         PNP, for 3-wire sensors or mechanical switches           Coverload resistant         yes           Sensor current US per input max.         0,2 A           Electricial data   Output           Overload resistant         yes           Short-circuit protected         yes           Chupt during prin max.         1,6 A           Lamp load         10 W           Total current outputs max.         9 A           Industrial communication           Industrial communication   Profinet           Number of active connections (IO controller)         2           FSU (Fast-Start-Up)         yes           Fast start up time max.         0,5 s           Interest to pime max.         0,5 s           Interest to pime max.         0,5 s           Interest to pime max.         0,5 s <tr< td=""><td></td><td>EN 61131-2</td></tr<>		EN 61131-2
Operating voltage UA DC		
Total current UA max. 16 A Total current US max. 16 A  Electrical data   Input Type input PNP, for 3-wire sensors or mechanical switches  Overload resistant yes Short-ficuit protected yes Sensor current US per input max. 0,2 A  Electrical data   Output  Overload resistant yes Short-ficuit protected yes Supported protection (Controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profinet Number of active connections (IO controller) Industrial communication   Profine	·	24 V
Total current US max. 16 A  Electrical data   Input  Type input PNP, for 3-wire sensors or mechanical switches  Overload resistant yes Short-circuit protected yes Sensor current US per input max. 0,2 A  Electrical data   Output  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  Industrial communication  Supported protocol PROFINET Industrial communication   Profinet  Number of active connections (IC controller) amax. 0,5 s IRT (network communication) yes Fast start up time max. 0,5 s IRT (network communication) yes PROFINET Netload Class III PROFINET Netload Class III PROFINET onformance class C PROFINET onformance class C PROFINET onformance class C PROFINET specification yes Diagnostics  Actualor warning per channel via LED and BUS Diagnostic via BUS per module and channel Diagnostic via BUS per module and channel LED display Ethernet connector/data traffic Cable break per port  Device protection [Electrical  Degree of protoction (EN IEC 60529) IP67		
Type input         PNP, for 3-wire sensors or mechanical switches           Overload resistant         yes           Short-clicuit protected         yes           Sensor current US per input max.         0.2 A           Electrical data   Output           Overload resistant         yes           Short-clicuit protected         yes           Output current per pin max.         1,6 A           Lamp load         10 W           Total current outputs max.         9 A           Industrial communication         PROFINET           Industrial communication   Profinet         Industrial communication   Profinet           Number of active connections (IO controller) and active profine active profine and act	Total current US max.	16 A
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Short-circuit protected yes Sensor current US per input max. 0,2 A  Electrical data   Output  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  Industrial communication  Supported protocol PROFINET  Industrial communication   Profinet  Number of active connections (IO controller) amax. 0,5 s Fast start up time max. 0,5 s FSU (Fast-Start-Up) yes Fast start up time max. 0,5 s IRT (network communication) yes PROFINET Netload Class III  PROFINET Netload Class III  PROFINET Specification Y2.3 Shared device/input yes  Diagnostics Actuator warning per channel via LED and BUS Diagnostic via BUS per module and channel LED display Ethernet connection/LEC 60528) IP67	**	
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Actuator warning per channel via LED and BUS  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  Cable break per port  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67		yes
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  Cable break per port  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67	Diagnostics	
Diagnostic via BUS per module and channel  Diagnostic via LED per module and channel  LED display Ethernet connection/data traffic  Cable break per port  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67	Actuator warning	per channel via LED and BUS
Diagnostic via LED per module and channel  LED display Ethernet connection/data traffic  Cable break per port  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67	<del>-</del>	
LED display Ethernet connection/data traffic  Cable break per port  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67		•
Cable break per port  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67		·
Device protection   Electrical  Degree of protection (EN IEC 60529) IP67		
Degree of protection (EN IEC 60529) IP67		per port
	Device protection   Electrical	
	Degree of protection (EN IEC 60529)	IP67
Mechanical data   Mounting data	Mechanical data   Mounting data	
Suitable for mounting type 2-hole screw mounting	Guitable for mounting type	2-hole screw mounting
Height 37 mm	Height	37 mm
Width 63 mm	Vidth	63 mm
Depth 225 mm	Depth	225 mm
Environmental characteristics   Climatic	Environmental characteristics   Climatic	
Operating temperature min25 °C	Operating temperature min.	-25 °C
Operating temperature max. 55 °C	<u> </u>	55 °C
Storage temperature min25 °C		-25 °C
Storage temperature max. 70 °C		
	Storage temperature max.	70 °C

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Connection type 1	X4-X7	
Connection type 2	XD1	
Connection type 3	XD2	
Connection type 4	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	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	n.c.	
Family construction form	M12	
Gender	female	
Color contact carrier	black	
Coding	L	
No. of poles	4	
PIN 1	24 V DC (US)	
PIN 2	0 V	
PIN 3	0 V	
PIN 4	24 V DC (UA)	
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 -	