



IMPACT67 COMPACT I/O MODULES FOR THE FIELD

- Application oriented
- Easy to Install
- Cost-effective

ECONOMIC DECENTRALIZATION

Impact67 is the perfect fieldbus solution for basic applications that need to be cost-effective. The modules in this series are available with different bus protocols, they feature pluggable connections, diagnostics and IP67 tested seals.













This makes Impact67 the perfect choice for an electrical engineer whose objective is to minimize costs while maintaining digital inputs and outputs under ordinary conditions.

FOCUSED ON ESSENTIALS

- Predefined inputs and outputs – helps facilitate configuration
- Single channel diagnostic via LED – don't look for errors, find them
- Group diagnostics via the bus – easy remote diagnostics
- Port-related shut off – only the affected port is shut off



Impact67 I/O Modules

 <p>Impact67-P • Digital I/Os</p>  <p>Page 4.5.1</p>	 <p>Impact67-PNIO • Digital I/Os</p>  <p>Page 4.5.2</p>
 <p>Impact67-E • Digital I/Os</p>  <p>Page 4.5.3</p>	 <p>Impact67-EC • Digital I/Os</p>  <p>Page 4.5.4</p>
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Basic diagnostic



Impact67-P

DI16

Impact67-P

DI8/DO8 - 2 A

Impact67-P

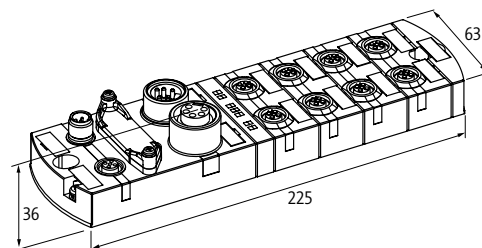
DO8 - 2 A

Impact67-P

DO16 - 0.5 A



Order Data	Art-No.	Art-No.	Art-No.	Art-No.
DI16	55345			
DI8/DO8 - 2 A		55346		
DO8 - 2 A			55347	
DO16 - 0.5 A				55348
Connections				
Fieldbus	M12, B-coded			
Sensor-system/actuator supply	7/8", 5-pole, 2 x max. 9 A			
I/O ports	M12, A-coded, 5-pole			
Fieldbus				
Operating voltage	24 V DC (EN 61131-2)			
Operating modes	Sync- and freeze mode are supported			
Transfer rate	to 12 Mbit/s			
Addressing	Rotary switch 3...99			
Input				
Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 female, (short-circuit and overload protected)		-	
Type	for 3-wire sensors or mechanical switches, p-switching (EN 61131-2)		-	
Output				
Switching current per output	-	max. 2 A (short-circuit and overload protected)	max. 0.5 A (short-circuit and overload protected)	
Diagnostic				
Communication status	via LED			
Diagnostic via LED	per module and channel			
Diagnostic via BUS	per module	per module and channel		
Monitoring - under voltage	yes			
Monitoring - no voltage	yes			
Short circuit and overload	yes			
General data				
Protection	IP67			
Temperature range	0...+55 °C (storage temperature -25...+70 °C)			
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range			
Dimension drawing				



Notes

IMPACT67

Basic diagnostic



Impact67-PN

DI16

Impact67-PN

DI8/DO8 - 2 A

Impact67-PN

DO8 - 2 A

Impact67-PN

DO16 - 0.5 A



Order Data	Art-No.	Art-No.	Art-No.	Art-No.
DI16	55091			
DI8/DO8 - 2 A		55092		
DO8 - 2 A			55093	
DO16 - 0.5 A				55094

Connections

Fieldbus	M12, D-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 x max. 9 A

I/O ports	M12, A-coded, 5-pole
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Fieldbus

Operating voltage	24 V DC (EN 61131-2)
Operating modes	Autonegotiation/Auto MDI/MDI-X
Transfer rate	to 100 MBit/s Full Duplex
Addressing	DCP

Input

Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 female, (short-circuit and overload protected)	-
Type	for 3-wire sensors or mechanical switches, p-switching (EN 61131-2)	-

Output

Switching current per output	-	max. 2 A (short-circuit and overload protected)	max. 0.5 A (short-circuit and overload protected)
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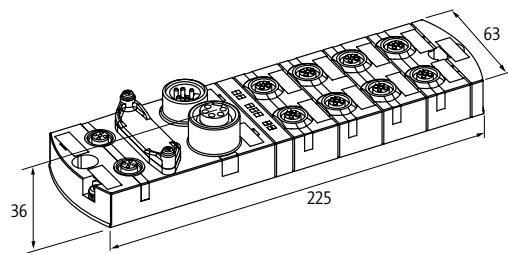
Diagnostic

Communication status	via LED	
Diagnostic via LED	per module and channel	
Diagnostic via BUS	per module	per module and channel
Monitoring - under voltage	yes	
Monitoring - no voltage	yes	
Short circuit and overload	yes	-

General data

Protection	IP67
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range

Dimension drawing



Notes

IMPACT67

Basic diagnostic

EtherNet/IP™
conformance tested

Impact67-E

DI16

Impact67-E

DI8/DO8 - 2 A

Impact67-E

DO8 - 2 A

Impact67-E

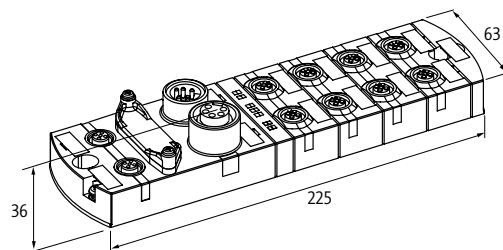
DO16 - 0.5 A



Approvals:   

Order Data	Art-No.	Art-No.	Art-No.	Art-No.
DI16	55085			
DI8/DO8 - 2 A		55086		
DO8 - 2 A			55087	
DO16 - 0.5 A				55088

Connections	
Fieldbus	M12, D-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 × max. 9 A
I/O ports	M12, A-coded, 5-pole
Fieldbus	
Operating voltage	24 V DC (EN 61131-2)
Operating modes	Autonegotiation/Auto MDI/MDI-X
Transfer rate	to 100 MBit/s Full Duplex
Addressing	DHCP, BOOTP or IP address by rotary switch
Input	
Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 female, (short-circuit and overload protected) –
Type	for 3-wire sensors or mechanical switches, p-switching (EN 61131-2) –
Output	
Switching current per output	– max. 2 A (short-circuit and overload protected) max. 0.5 A (short-circuit and overload protected)
Diagnostic	
Communication status	via LED
Diagnostic via LED	per module and channel
Diagnostic via BUS	per module per module and channel
Monitoring - under voltage	yes
Monitoring - no voltage	yes
Short circuit and overload	yes
General data	
Protection	IP67
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range
Dimension drawing	



Notes

Impact67

IMPACT67

Basic diagnostic

EtherCAT

Approvals:   

Impact67-EC

DI16

Impact67-EC

DI8/DO8 - 2 A

Impact67-EC

DO8 - 2 A

Impact67-EC

DO16 - 0.5 A



Order Data	Art-No.	Art-No.	Art-No.	Art-No.
DI16	55081			
DI8/DO8 - 2 A		55082		
DO8 - 2 A			55083	
DO16 - 0.5 A				55084

Connections

Fieldbus	M12, D-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 x max. 9 A

I/O ports	M12, A-coded, 5-pole
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Fieldbus

Operating voltage	24 V DC (EN 61131-2)
Operating modes	Autocrossing Autonegotiation
Transfer rate	to 100 Mbit/s
Addressing	automatic or Device ID by rotary switch

Input

Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 female, (short-circuit and overload protected)	-
Type	for 3-wire sensors or mechanical switches, p-switching (EN 61131-2)	-

Output

Switching current per output	-	max. 2 A (short-circuit and overload protected)	max. 0.5 A (short-circuit and overload protected)
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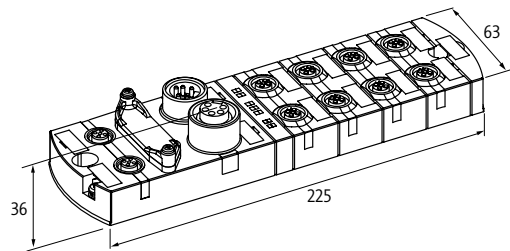
Diagnostic

Communication status	via LED
Diagnostic via LED	per module and channel
Diagnostic via BUS	per module per module and channel
Monitoring - under voltage	yes
Monitoring - no voltage	yes
Short circuit and overload	yes

General data

Protection	IP67
Temperature range	-25...+55 °C (storage temperature -25...+70 °C)
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range

Dimension drawing



Notes

IMPACT67

Basic diagnostic

CANopen

Impact67-C

DI16

Impact67-C

DI8/DO8 - 2 A

Impact67-C

DO8 - 2 A

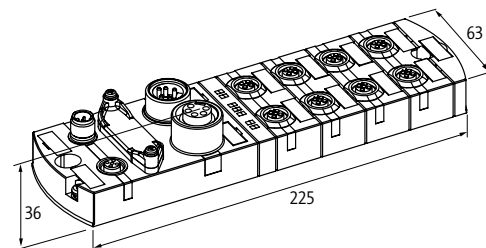
Impact67-C

DO16 - 0.5 A



Order Data	Art-No.	Art-No.	Art-No.	Art-No.
DI16	55075			
DI8/DO8 - 2 A		55076		
DO8 - 2 A			55077	
DO16 - 0.5 A				55078

Connections	
Fieldbus	M12, A-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 x max. 9 A
I/O ports	M12, A-coded, 5-pole
Fieldbus	
Operating voltage	24 V DC (EN 61131-2)
Operating modes	Polling; change of state; Cyclic
Transfer rate	max. 1 Mbit/s
Addressing	Rotary switch 1...99
Input	
Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 female, (short-circuit and overload protected) –
Type	for 3-wire sensors or mechanical switches, p-switching (EN 61131-2) –
Output	
Switching current per output	– max. 2 A (short-circuit and overload protected) max. 0.5 A (short-circuit and overload protected)
Diagnostic	
Communication status	via LED
Diagnostic via LED	per module and channel
Diagnostic via BUS	per module per module and channel
Monitoring - under voltage	yes
Monitoring - no voltage	yes
Short circuit and overload	yes
General data	
Protection	IP67
Temperature range	-25...+75 °C (storage temperature -25...+70 °C)
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range
Dimension drawing	



Notes

Impact67

IMPACT67

Basic diagnostic



Impact67-DN

DI16

Impact67-DN

DI8/DO8 - 2 A

Impact67-DN

DO8 - 2 A

Impact67-DN

DO16 - 0.5 A



Order Data	Art-No.	Art-No.	Art-No.	Art-No.
DI16	55071			
DI8/DO8 - 2 A		55072		
DO8 - 2 A			55073	
DO16 - 0.5 A				55074

Connections

Fieldbus	M12, A-coded
Sensor-system/actuator supply	7/8", 5-pole, 2 x max. 9 A

I/O ports	M12, A-coded, 5-pole
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Fieldbus

Operating voltage	24 V DC (EN 61131-2)
Operating modes	Polling; change of state; Cyclic
Transfer rate	125 kBit/s; 250 kBit/s; 500 kBit/s
Addressing	Rotary switch 0...63

Input

Sensor supply US	24 V DC, (EN 61131-2), max. 200 mA per M12 female, (short-circuit and overload protected)	-
Type	for 3-wire sensors or mechanical switches, p-switching (EN 61131-2)	-

Output

Switching current per output	-	max. 2 A (short-circuit and overload protected)	max. 0.5 A (short-circuit and overload protected)
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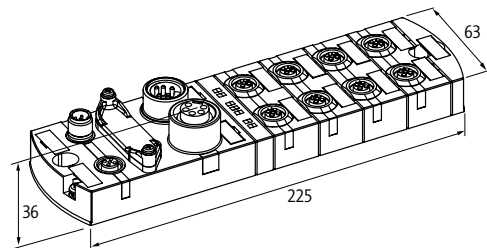
Diagnostic

Communication status	via LED	
Diagnostic via LED	per module and channel	
Diagnostic via BUS	per module	per module and channel
Monitoring - under voltage	yes	
Monitoring - no voltage	yes	
Short circuit and overload	yes	



General data

Protection	IP67
Temperature range	-25...+75 °C (storage temperature -25...+70 °C)
Mounting method	2 hole screw mounting, compatible with I/O modules of MVK model range

Dimension drawing



Notes

Accessories			Art-No.
	<p>Label plates 20 × 8 mm (20 pieces per plate)</p>		<p>55318</p>
	<p>Screw plug M12 × 1 mm (for female) Plastic, hex</p>	<p>Quantity: 10 pcs.</p>	<p>58627</p>