

SOLID67
COMPACT I/O-MODULES

- **Shorter installation times and Using all slots**
- **Minimizing space requirements**
- **Simplifying storage**

PROTOCOL CHANGE IN THE BLINK OF AN EYE

SOLID67 are the new compact I/O modules from Murrelektronik. They make installation in the field easier and are very attractive for applications with IO-Link sensors and actuators. They provide eight IO-Link slots directly adjacent to the process and can easily incorporate classic IOs into the system.

Full encapsulation and impressive vibration and shock values (15 and 50 G) prepare the modules for use in harsh industrial environments – within a temperature range of –20 to +70 °C. This opens a door to numerous applications. Comprehensive diagnostic options at the module, through the control unit, and through an integrated web server, make trouble-shooting a simple exercise.

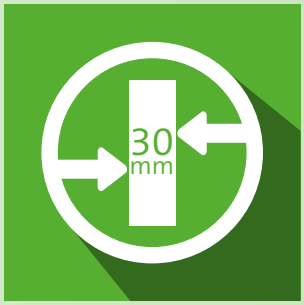
PROFINET
EtherNet/IP
IO-Link



Shorter installation times



Using all slots



Minimizing space requirements



Simplifying storage

SOLID67 I/O-Modules



SOLID67 PN/E 60 mm
• Multi protocol

PROFINET
EtherNet/IP

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SOLID67 PN/E 60 mm
• Multi protocol
• IOL8

PROFINET
EtherNet/IP
IO-Link

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SOLID67 PN/E 30 mm
• Multi protocol
• IOL8

PROFINET
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IO-Link

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MURR ELEKTRONIK
stay connected

Multi protocol

PROFINET® EtherNet/IP™

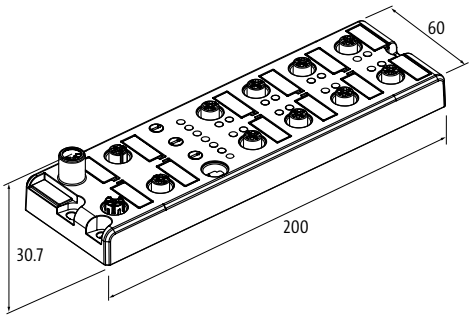
Approvals: c UL us Listed

SOLID67 PN/E

60 mm



Order Data	Art-No.	Art-No.
DI16	**54500**	
DI8 DO8		**54501**
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	M12 Power, 5-pole, L-coded	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
Addressing	DCP	
Shared Device/Input	–	
Profinet Netload Class	III	
Specification	V2.3, Conformance Class C (IRT)	
MRP	yes	
EtherNet/IP		
Addressing	DHCP, BOOTP or IP address by rotary switch	
QC (Quick Connect)	max. 500 ms	
DLR (Device Level Ring)	yes	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP	
Output		
Actuator supply UA	–	24 V DC (EN 61131-2), max. 9 A
Switching current per output	–	max. 2 A (short-circuit and overload protected)
Parameterization		
PIN 4	Input (port X1...X8)	Input (port X1...X4); Output (port X5...X8)
PIN 2	Input (port X1...X8)	Input (port X1...X4); Output (port X5...X8)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-20...+70 °C	
Dimension drawing		



Notes

Multi protocol

PROFINET® EtherNet/IP™

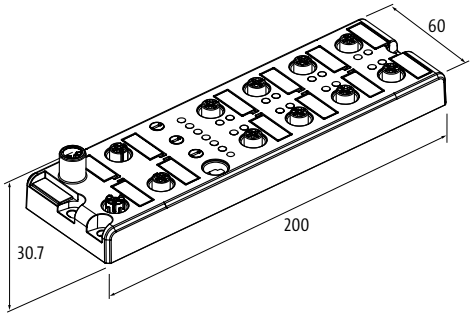
Approvals: c UL us Listed

SOLID67 PN/E

60 mm



Order Data	Art-No.	Art-No.
DIO16	**54503**	
DO16		**54502**
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	M12 Power, 5-pole, L-coded	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
Addressing	DCP	
Shared Device/Input	–	
Profinet Netload Class	III	
Specification	V2.3, Conformance Class C (IRT)	
MRP	yes	
EtherNet/IP		
Addressing	DHCP, BOOTP or IP address by rotary switch	
QC (Quick Connect)	max. 500 ms	
DLR (Device Level Ring)	yes	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected	–
Type	for 3-wire sensors or mechanical switches, PNP	–
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 2 A (short-circuit and overload protected)	
Parameterization		
PIN 4	Input/Output (port X1...X8)	Output (port X1...X8)
PIN 2	Input/Output (port X1...X8)	Output (port X1...X8)
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-20...+70 °C	
Dimension drawing		



Notes

MURR ELEKTRONIK
stay connected

Multi protocol

PROFINET EtherNet/IP
IO-Link

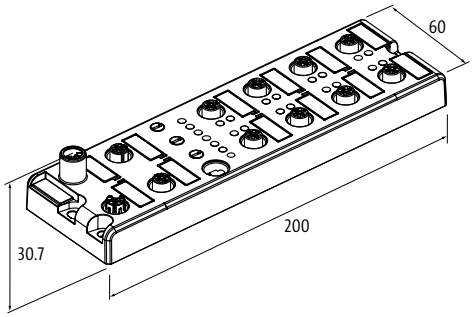
Approvals: cULus Listed

SOLID67 PN/E

IOL8
60 mm



Order Data		Art-No.
IOL8		**54504**
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	M12 Power, 5-pole, L-coded	
I/O ports	M12, 5-pole, A-coded	
PROFINET		
Addressing	DCP	
Shared Device/Input	yes, for 2 controls	
Profinet Netload Class	II	
Specification	V2.3, Conformance Class C (IRT)	
MRP	yes	
EtherNet/IP		
Addressing	DHCP, BOOTP or IP address by rotary switch	
DLR (Device Level Ring)	yes	
IO-Link		
IO-Link	8 × Master	
Operating modes	COM1; COM2; COM3 (automatic)	
Transfer parameters	32 Input byte and/or 32 Output byte (per IO-Link port)	
Port class	4 × A (port X1...X4), 4 × B (port X5...X8, galvanically separated, max. 2 A per port)	
Specification	IO-Link Master V1.1	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 500 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP, IO-Link Devices	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 0.5 A (PIN 4, X1...X8); 2 A (PIN 2/5 Uaux, X5...X8), short-circuit and overload protected	
Parameterization		
PIN 4	Input (port X1...X8); Output (port X1...X8); IO-Link Master (port X1...X8)	
PIN 2	Input (port X1...X4); Output (port X5...X8)	
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-20...+70 °C	
Dimension drawing		



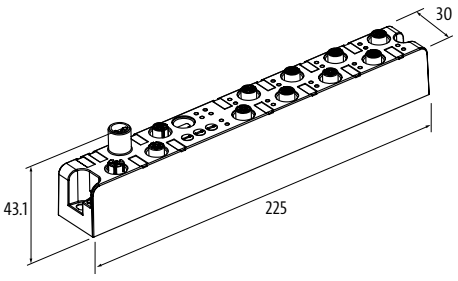
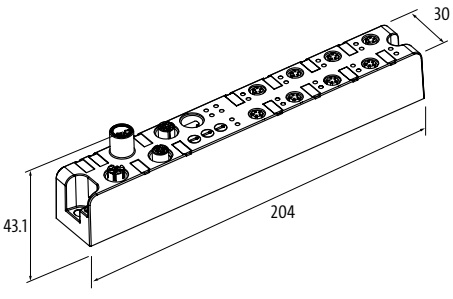
Notes	

Multi protocol

PROFINET® EtherNet/IP

IO-Link

Approvals: cULus Listed

	SOLID67 PN/E	SOLID67 PN/E
	IOL8 30 mm	IOL8 30 mm
		
Order Data	**Art-No.**	**Art-No.**
IOL8	**54505**	**54506**
Connections		
Fieldbus	Ethernet 10/100 Mbit/s; M12, D-coded	
Sensor-system/actuator supply	M12 Power, 5-pole, L-coded	
I/O ports	M12, 5-pole, A-coded	M8, 5-pole, B-coded
PROFINET		
Addressing	DCP	
Shared Device/Input	yes, for 2 controls	
Profinet Netload Class	II	
Specification	V2.3, Conformance Class C (IRT)	
MRP	yes	
EtherNet/IP		
Addressing	DHCP, BOOTP or IP address by rotary switch	
DLR (Device Level Ring)	yes	
IO-Link		
IO-Link	8 × Master	
Operating modes	COM1; COM2; COM3 (automatic)	
Transfer parameters	32 Input byte and/or 32 Output byte (per IO-Link port)	
Port class	4 × A (port X1...X4), 4 × B (port X5...X8, galvanically separated, max. 4 A per module)	
Specification	IO-Link Master V1.1	
Input		
Sensor supply US	24 V DC (EN 61131-2), max. 500 mA (M12 female), short-circuit and overload protected	
Type	for 3-wire sensors or mechanical switches, PNP, IO-Link Devices	
Output		
Actuator supply UA	24 V DC (EN 61131-2), max. 9 A	
Switching current per output	max. 0.5 A (PIN 4, X1...X8), short-circuit and overload protected	
Parameterization		
PIN 4	Input (port X1...X8); Output (port X1...X8); IO-Link Master (port X1...X8)	
PIN 2	Input (port X1...X4)	
General data		
Protection	IP67	
Mounting method	2-hole screw mounting	
Temperature range	-20...+70 °C	
Dimension drawing		
		
Notes		

Blind plug/caps			Art-No.
	**Screw plug M12 × 1 mm (for female)**		
	Plastic, hex without gasket	Quantity: 10 pcs.	**58627**

Labeling accessories			Art-No.
	**Label plates**		
	20 × 8 mm	(20 pieces per plate)	**55318**
	**Label plate (KM 4)**		
	5 × 10 mm		**90931**