COMPACT

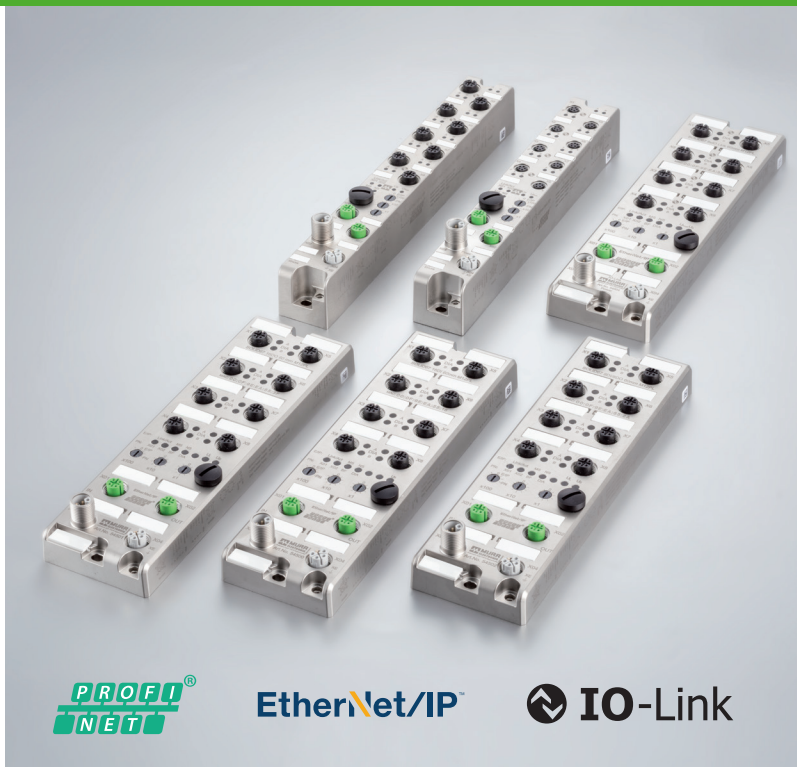
MURR ELEKTRONIK
stay connected

SOLID67

Change the Protocol in the Blink of an Eye

SOLID67, the new compact I/O modules from Murrelektronik, make field installations 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 50g) 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 troubleshooting a breeze.



Shorter Installation Times

The L-coded M12 power cables can transmit up to 16A in a smaller form factor. The power supply can be fed to several modules. This simplifies installation and reduces cable runs. PI (user organization for Profibus and ProfiNet) sees the M12 L-coded connectors as the future standard in power connectors.

Using all Ports

Pin 4 on the IO-Link master module is multi-functional. It can be used for IO-Link sensors and actuators. It can also be configured as a classic input or output. A single module is needed to record various types of signals.

Minimizing Space Requirements

With a 30mm width, the slim SOLID67 IO-Link modules are ideal for use in installations with limited space. Modules can be connected next to the process, and sensors and actuators can be connected using the shortest connection cables.

Simplifying Storage

SOLID67 modules are multi-protocol-compatible; they support ProfiNet and EtherNet/IP. Depending on the protocol(s) needed, a switch is placed directly on the module. This reduces the number of different types of modules that need to be kept on hand.

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Module	DI16 (60mm)	DI8 DO8 (60mm)	DO16 (60mm)	IOL8 (60mm)	IOL8 (30mm)	IOL8 (M8 5P, 30mm)
Article Number	54500	54501	54502	54504	54505	54506
Connections						
Fieldbus	10/100Mbit/sec					
Power	L-coded, M12 Power, 5-pole, max. 16A					
I/O Ports	M12 5-pole, A-coded					M8 5-pole, B-coded
Multi Protocol ProfiNet						
Addressing	DCP					
ProfiNet Net Load Class	III			II		
Specification	V2.3, Conformance Class C (IRT)					
Multi Protocol Ethernet/IP						
Addressing	DHCP, BOOTP or IP addressing using rotary switch					
ODVA (CT Revision)	CT12			CT13		
IO-Link						
IO-Link				8 x Master (X1-X8)		
Operating Modes				COM1; COM2; COM3		
Port Class				4 x Type A (X1-X4), 4 x Type B (X5-X8, galv. Isolated)		
Specification				IO-Link Master V1.1		
Rated Current (Pin 4)				Max. 500mA		
Rated Current (Pin 1 & 3)				Max. 500mA		
Rated Current (Pin 2, Class B Ports)				Max. 2A/Port	Max. 4A/Module	
Input						
Sensor Power Supply	Max. 200mA/Port (Pin 1 & Pin 3)			Max. 200mA/Port (Pin 1 & Pin 3)		
Number of Channels	16 (X1-X8)	8 (X1-X4)		Max. 12, 4 x (Pin 2, Fixed) + 8 x (Pin 4)*		
Type	For 3-wire sensors or mechanical switches, PNP			For 3-wire sensors or mechanical switches, PNP, IO-Link Devices		
Output						
Number of Channels		8 (X5-X8)	16 (X1-X8)	Max. 12, 8 x (Pin 4)* + 4 x (Pin 2/5 Uaux)*	Max. 8 x (Pin 4)*	
Switching Current/Output		Max. 2A		Max. 500mA (Pin 4, X1-X8))/ 2A (Pin 2/5 Uaux, X5-X8)*	Max. 500mA (Pin 4, X1-X8)	
Switching Current/Module		Max. 9A				
General Data						
IP Rating	IP67					
Temperature	-20°C to 70°C					
Shock (DIN EN 60068-2-27)	50g					
Vibration (DIN EN 60068-2-6)	15g					
Dimensions (HxWxDmm)	200 x 59.6 x 30.7mm				225 x 30 x 43.1	204 x 30 x 43.1

*Configurable

ACCESSORIES

Description	Article Number
IO-Link/analog converter AI multi V/I, M12, straight, 16 bit, IP65/67, IO-Link V1.1	5000-00501-1300001
IO-Link/analog converter AO multi V/I, M12, straight, 16 bit, IP65/67, IO-Link V1.1	5000-00201-2300001
Designation plate 20 x 8 mm (20 units in a set) for 60-mm variants	55318
Designation plate 5 x 10 mm (40 units in a set) for 30-mm variants	90931
M12 Blind Plug	58627
M8 Blind Plug	3858627