

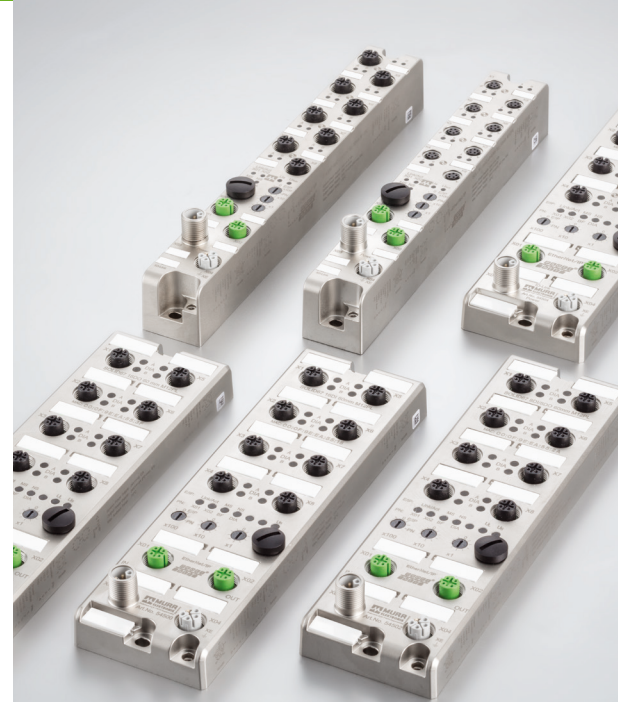
COMPACT

SOLID67

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 troubleshooting a simple exercise.



IO-Link EtherNet/IP PROFINET



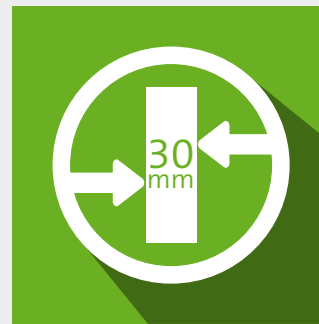
Shorter installation times

The compact M12 power cables (L-coded) 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 slots

The slots (pin 4) of the IO-Link master modules are multi-functional; they can be used for IO-Link sensors and actuators, but they can also be configured as classic inputs or outputs. **Just a single module is needed to record signals of various types.**



Minimizing space requirements

Having a width of only 30 millimeters, the slim IO-Link variants of SOLID67 are ideal for use in installations where space is limited. Modules can be connected directly adjacent to the process, and sensors and actuators can be **connected using the shortest connection cables.**



Simplifying storage

The SOLID67 modules are multi-protocol-compatible; they support ProfiNet and EtherNet/IP. Depending on control concept, a switch is simply placed directly on the module. **This reduces the variant diversity. Fewer modules of different types need to be kept on hand.**

TECHNICAL DATA OF SOLID67



Description	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.	Art.-No.
SOLID67 DI16; 60 mm	54500						
SOLID67 DI8 DO8; 60 mm		54501					
SOLID67 DO16; 60 mm			54502				
SOLID67 DIO16; 60 mm				54503			
SOLID67 IOL8; 60 mm					54504		
SOLID67 IOL8; 30 mm						54505	
SOLID67 IOL8 (M8 5P); 30 mm							54506
Connections							
Fieldbus	10/100 Mbit/s						
Power sensor system/actuator	M12 power, L-coded, 5-pin, max. 16 A						
I/O slots	M12, 5-pin, A-coded						M8, 5-pin, 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						
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, galvanically isolated)			
Specification	-			IO-Link master V1.1			
Rated current C/Q (pin 4)	-			max. 500 mA			
Rated current L+/L- (pin 1 and 3)	-			max. 500 mA			
Rated current Uaux (pin 2, class B ports)	-			max. 2 A pro Port		max. 4 A pro Modul	
Input							
Sensor power supply 24 V DC (EN 61131-2)	max. 200 mA per port (pin 1 and pin 3)		-		max. 500 mA per port (pin 1 and pin 3)		
Number of channels	16 (X1-X8)	8 (X1-X4)	-		max. 16 (X1-X8)* 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. 16 (X1-X8)*		max. 12, 8 x (Pin 4)* + 4 x (Pin 2/5 Uaux)* max. 8 x (Pin 4)*	
Switching current for each output	-	max. 2 A			max. 500 mA (Pin 4, X1-X8)/2 A (Pin 2/5 Uaux, X5-X8)		max. 500 mA (Pin 4, X1-X8)
Switching current for each module	-	max. 9 A					
General data							
Degree of protection	IP67						
Temperature range	-20°C... +70°C						
Shock (DIN EN 60068-2-27)	50 g						
Vibration (DIN EN 60068-2-6)	15 g						
Dimensions H x W x D	200 x 59,6 x 30,7 mm					225 x 30 x 43,1 mm	204 x 30 x 43,1 mm

*configurable

ORDER DATA FOR ACCESSORIES

Description	Art. No.
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	5000-00501-2300001
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
Plastic blind plug, M12	58627
Plastic blind plug, M8	3858627

The right cables can be found at www.murrelektronik.com



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