



Product information
0970 PSL 211
28961

Name	
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	Profibus-DP device with 8 digital inputs to connect standard sensors and 4 digital outputs to connect standard actuators, combined FIXCON/M12 socket, rotary switches for addressing, M23 bus connection, M23 actuator supply.
Delivery informations	
Availability	available
Product description	
Type	0970 PSL 211
Order No.	28961
Description	Profibus-DP device with 8 digital inputs to connect standard sensors and 4 digital outputs to connect standard actuators, combined FIXCON/M12 socket, rotary switches for addressing, M23 bus connection, M23 actuator supply.
Note	The application of these products in harsh environments should always be checked before use.
Color of housing	orange
Product characteristics	Oil resistance, EMV resistance, Vibration resistance
Classification	
Belden class	I/O Modules with Digital Inputs and Outputs (DI/DO)
Belden brand	Lumberg-Automation
Mechanical data	
Weight	545 g
Dimensions (W x H x D)	60 mm x 179 mm x 50.3 mm
Environmental conditions	
Environmental temperature	0 °C ... 60 °C
Degree of protection (IP), mounted	IP67
Materials	
Housing material / Molded body	PUR
Bus system	
Fieldbus system	Profibus DP
Bus Connection	M23
Device Identification	0450 hex
Transmission rate	12 MBd
Address range	1 dec. ... 126 dec.
Rotary address switches	1 dec. ... 99 dec.
Default address	99 dec.
System power supply	
System power supply	U _L
Nominal voltage (System power supply)	24 V DC
Voltage range DC (System power supply)	19 V ... 30 V
Power consumption (System power supply)	60 mA
Reverse polarity protection (System power supply)	Yes
Operating Indication (System power supply)	LED green
Sensors power supply	
Voltage range (Sensor power supply)	min.(U _L - 1.5 V)
Sensor current (at TU30°C) (Sensor power supply)	800 mA
Short-circuit proof (Sensor power supply)	Yes
Actuator power supply	
Actuator power supply	U _S with potential separation

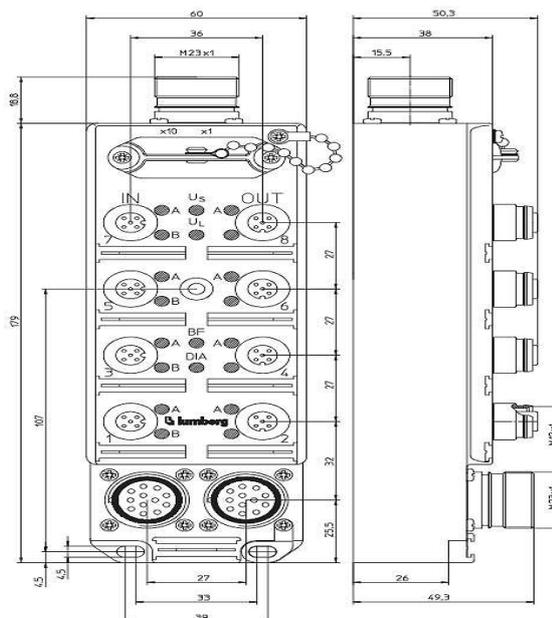
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Nominal voltage (Actuator power supply)	24 V DC
Voltage range (Output power supply)	19 V ... 30 V
Reverse polarity protection (Output power supply)	Yes
Indication (Output power supply)	LED green
Inputs	
Input wiring	Type 3 acc. to IEC 61131-2
Signal type (Inputs)	Digital Inputs and Outputs
Number of channels (Inputs)	8
Channel type (Inputs)	N.O., p-switching
Nominal input voltage	24 V DC
Voltage (Signal status "1") - Explanation	11 - 30 V
Voltage (Signal status "0") - Explanation	-3 - 5 V
Channel status indicator (Inputs)	LED yellow per channel
Input current at 24 V DC (typ.)	6 mA
Outputs	
Output wiring	Type 2 A acc. to IEC 61131-2
Signal type (Outputs)	Digital Outputs
Number of channels (Outputs)	4
Channel type (Outputs)	N.O., p-switching
Nominal output current per channel	2 A
Short-circuit proof (Outputs)	Yes
Max. output current per module (Outputs)	8 A
Overload-proof (Outputs)	Yes
Channel status indicator (Outputs)	LED yellow per channel
Diagnostic indication (outputs)	LED red per channel
Scope of delivery and accessories	
Scope of delivery	Dust covers M12 - 2 pieces, Attachable labels - 10 pieces

Picture

Drawing



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