



**Product information**  
**0980 ESL 700**  
**109628**

Name	
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	PROFINET IO device with 16 digital I/O channels, channels can be used universally as inputs or outputs, M12 sockets, M12 LAN-Ports, D-coded, 7/8" power supply
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Type	0980 ESL 700
Order No.	109628
Description	PROFINET IO device with 16 digital I/O channels, channels can be used universally as inputs or outputs, M12 sockets, M12 LAN-Ports, D-coded, 7/8" power supply
Note	The application of these products in harsh environments should always be checked before use. Specifications subject to alteration.
Color of housing	black
Product characteristics	Vibration resistance, Oil resistance
<b>Classification</b>	
Belden class	I/O Modules with Digital Inputs and Outputs (DIO) universal
Belden brand	Lumberg-Automation
<b>Mechanical data</b>	
Weight	380 g
Dimensions (W x H x D)	60 mm x 243 mm x 39.5 mm
<b>Environmental conditions</b>	
Environmental temperature	-10 °C ... 60 °C
Degree of protection (IP), mounted	IP67
<b>Materials</b>	
Housing material / Molded body	PBT
<b>Approvals</b>	
RoHS 2002/95/EG compliant	yes
<b>Bus system</b>	
Fieldbus system	PROFINET IO
Bus Connection	M12, D coded
Number of contacts	4
Transmission rate	10/100 Mbps
Transmission method	100BASE-TX
<b>System power supply</b>	
Nominal voltage (System power supply)	24 V DC
Voltage range DC (System power supply)	19 V ... 30 V
Power consumption (System power supply)	typ. 100 mA
Reverse polarity protection (System power supply)	Yes
Operating Indication (System power supply)	LED green
Connection (System power supply)	7/8", 5-pole
<b>Sensors power supply</b>	
Sensors power supply	U <sub>S</sub>
Voltage range (Sensor power supply)	min. (U <sub>System</sub> = 1.5 V)
Sensor current (at TU30°C) (Sensor power supply)	200 mA per M12 female connector
Short-circuit proof (Sensor power supply)	Yes
Indication (Sensor power supply)	LED green

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



#### Actuator power supply

Actuator power supply	$U_L$
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, IEC 61131-3
Number of channels (Inputs)	16
Channel type (Inputs)	N.O., p-switching
Nominal input voltage	24 V DC
Channel status indicator (Inputs)	LED yellow per channel
Diagnostic indication (inputs)	LED red per socket

#### Outputs

Signal type (Outputs)	Digital Outputs
Number of channels (Outputs)	16
Channel type (Outputs)	N.O., p-switching
Nominal output current per channel	1.6 A
Short-circuit proof (Outputs)	Yes
Max. output current per module (Outputs)	9 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 - 4 pieces, Attachable labels - 10 pieces
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#### Picture

#### Drawing

