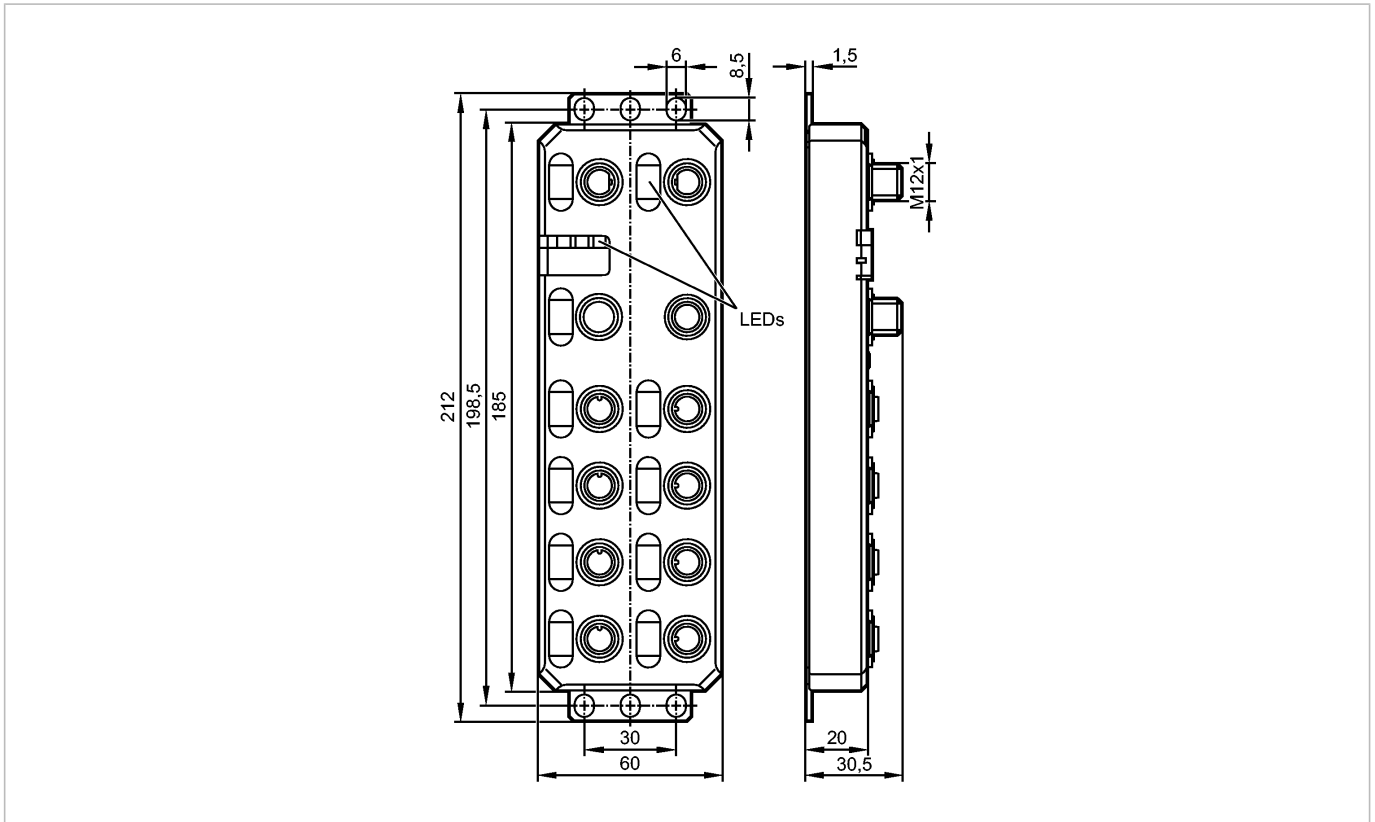


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IO-Link Master PL PB 8P IP67

Industrial communication



Product characteristics

IO-Link master with Profibus interface

Sockets M12 x 1

I/O modules for field applications

Electrical data

Electrical design	max. 8 IO-Link ports / max. 12 digital inputs / max. 8 digital outputs
Operating voltage [V]	19...31.2 DC (US) / 24 DC (UA)
Protection class	III

Inputs

digital	
Circuit	4 digital inputs at pin 2 / 8 further inputs at pin 4 (IO-Link)
Sensor supply	24 V DC
Nominal current for each port (pin 1/3) [mA]	200
Switching level High / Low [V]	15...30 DC / -3...5 DC
Short-circuit proof	yes

Outputs

digital	
Output function	8 digital outputs at pin 4 (IO-Link)
Actuator supply	24 V DC
Nominal current for each B port (pin 2/5) [A]	1.6
Max. current load per output [mA]	200
Short-circuit proof	yes

Interfaces

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Industrial communication

IO-Link Master

Transfer type	COM 1 / COM 2 / COM 3
IO-Link revision	V1.1
Number of ports	8
Port type	4 x A / 4 x B

Environment

Ambient temperature [°C]	-25...60
Storage temperature [°C]	-25...85
Max. relative air humidity [%]	95
Protection	IP 65 / IP 67

Tests / approvals

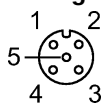
EMC	EN 61000-6-2 EN 61000-4-2 ESD: EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6	6 kV contact discharge / 8 kV air discharge
Shock resistance	EN 60068-2-27:	30 g (11 ms)
Vibration resistance	EN 60068-2-6:	5 g

Mechanical data

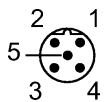
Housing materials	housing: PA; socket: brass nickel-plated
Weight [kg]	0.565

Electrical connection

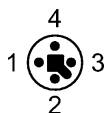
Wiring



Inputs / IO-Link	IO-Link: B-Ports (X05...X08)
IO-Link: A-Ports (X01...X04)	1: 24 V DC (L +)
1: 24 V DC (L +)	2: 24 V DC (UA)
2: Digital input	3: GND (L -)
3: GND (L -)	4: C/Q IO-Link data transfer channel
4: C/Q IO-Link data transfer channel	5: GND (UA)
5: not used	



Profibus plug Profibus IN (X21)	Socket Profibus OUT (X22)
1: VP	1: VP
2: RxD / TxD-N (A)	2: RxD / TxD-N (A)
3: DGND	3: DGND
4: RxD / TxD-P (B)	4: RxD / TxD-P (B)
5: not used	5: not used



Power supply US / UA	OUT XBN 32:
IN X 31:	1: + 24 V DC (US)
1: + 24 V DC (US)	2: GND (UA)
2: GND (UA) WH	3: GND (US)
3: GND (US) BU	4: + 24 V DC (UA) BK
4: + 24 V DC (UA) BK	

Remarks

Remarks	Further information is available in the manual.
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Industrial communication

Pack quantity [piece] 1