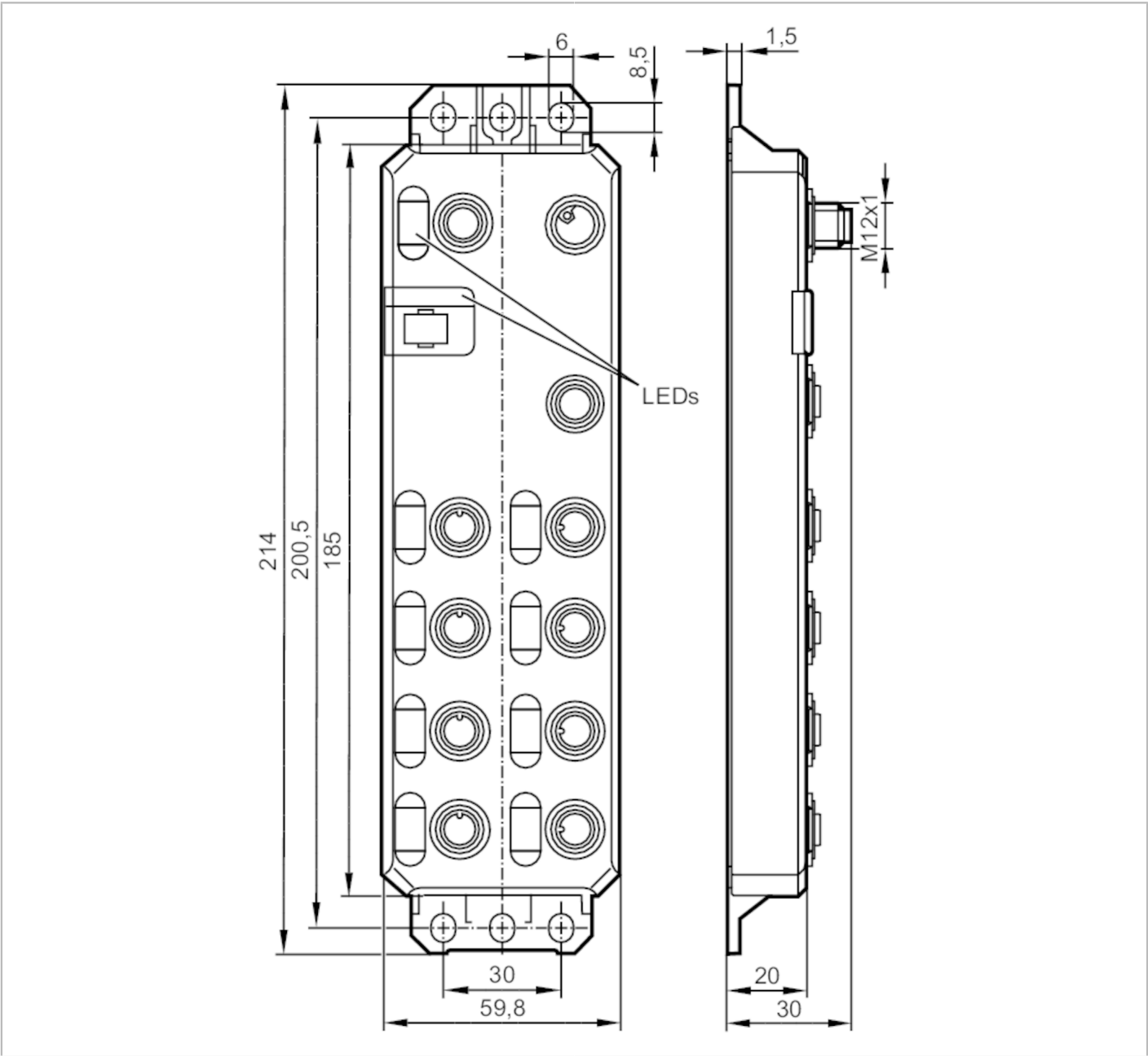




PROFIsafe IO-Link module

PROFIsafe IOL Device 8P IP67



Application

Design

only for operation with IO-Link master AL140x and Siemens PLC S7-1200 and S7-1500 (except Software Controller and Open Controller)

Application

I/O modules for field applications

Electrical data

Operating voltage [V]

19.2...30.2 DC; (US ; to SELV/PELV)

Current consumption [mA]

67; (US)

Protection class

III

Additional voltage supply [V]

19.2...30.2 DC; (UA)

Max. current consumption from additional supply [mA]

34; (UA)



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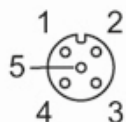
Actuator supply UA		
Max. current load total	[A]	6
Current rating per port	[A]	2
Inputs / outputs		
Total number of inputs and outputs		12
Inputs		
Total number of inputs		8
Switching level high	[V]	11...30
Switching level low	[V]	-30...5
Digital inputs protected against short circuits		yes
Outputs		
Total number of outputs		4
Short-circuit proof		yes
Interfaces		
Communication interface		IO-Link
Supported DeviceIDs	Type of operation	DeviceID
	default	1312
IO-Link Device		
Transmission type		COM3 (230,4 kBaud)
IO-Link revision		1.1
SDCI standard		IEC 61131-9
SIO mode		no
Operating conditions		
Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-40...85
Max. relative air humidity	[%]	75
Protection		IP 65; IP 67
Tests / approvals		
EMC	EN 61000-6-2	
	EN 61000-4-2 ESD	6 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	
	EN 61000-4-6 HF conducted	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64 2009-04	
	DIN EN 60068-2-6 2008-10	
Safety classification		
Mission time TM	[h]	175200
Mission time TM (additional indication)		20 years



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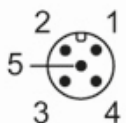
Single channel		
Complies with the requirements		ISO 13849-1 PL d
		IEC 61508 SIL 2
		IEC 62061 SIL 2
PFH	[1/h]	1E-08
PFD	[1/h]	1E-04
Dual channel		
Complies with the requirements		ISO 13849-1 PL e
		IEC 61508 SIL 3
		IEC 62061 SIL 3
PFH	[1/h]	1E-09
PFD	[1/h]	1E-05
Mechanical data		
Weight	[g]	408.3
Materials		housing: PA; socket: brass nickel-plated
Remarks		
Remarks		Safety classification depends on parameterisation and wiring (see operating instructions).
Pack quantity		1 pcs.
Electrical connection - Address Plug		



X41

Electrical connection - IO-Link

Connector: M12; coding: A



X21

1	+ 24 V DC
2	NC
3	GND
4	IO-Link C/Q
5	NC



PROFIsafe IO-Link module

PROFIsafe IOL Device 8P IP67

Electrical connection - Power IN

Connector: M12; coding: L

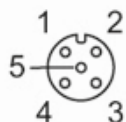


X31

1	+ 24 V DC US
2	GND UA
3	GND US
4	+ 24 V DC UA

Electrical connection - Safety Inputs

Connector: M12; coding: A

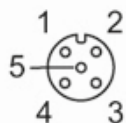


X01...X04

1	Clock Output 1 US
2	INx_CH2 US
3	GND US
4	INx_CH1 US
5	Clock Output 2 US

Electrical connection - Safety Outputs

Connector: M12; coding: A



X05...X08

1	NC
2	NC
3	OUTx_CH2 NPN UA
4	OUTx_CH1 PNP UA
5	NC