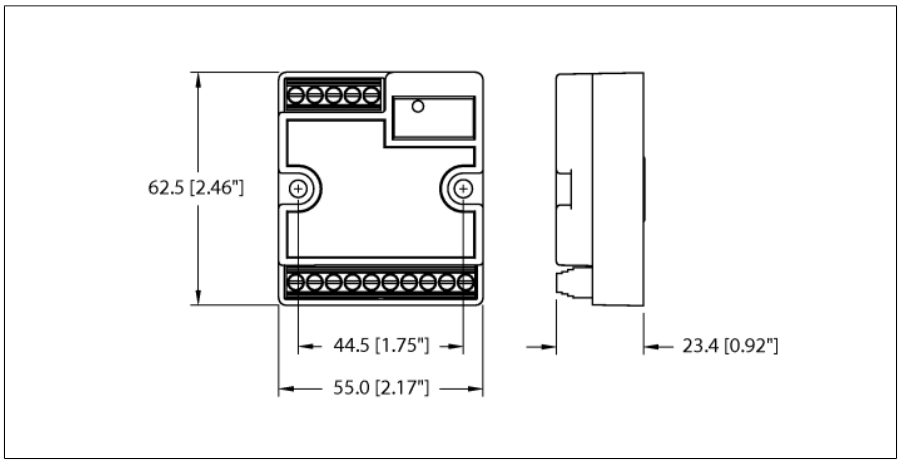
I/O Hub for connection of digital signals to IO-Link Master
8 Universal Digital Channels, PNP
FIL20-8DXP





- Rugged, I/O hub in IP20
- Metal screw terminal connectors
- 8 universal digital channels, DI/DO
- 24 VDC, PNP
- Output current: 1.0 A
- I&M Data Sets Support Installation and Maintenance
- IO-Link Diagnostics for Short-Circuit and Supply Voltage

Type	FIL20-8DXP
ID	100005646
Supply	
Supply voltage	24
Admissible range	18…30 VDC V1+ max. 8.7 A
System power supply	V1+
Voltage supply connection	Screw terminals
Operating current	120 mA
Sensor/actuator supply	Screw Terminal 10 supply from V1+, 0.7A max.
System data	
Fieldbus connection technology	Screw terminals
Terminal cross-section	0.2…1.5 mm² (AWG: 26…14)
Tightening torque	0.5 Nm
Digital inputs	
Number of channels	8
Connectivity inputs	Screw terminals
Type of input diagnostics	Channel diagnostics
Low-level signal voltage	-3...5 VDC (EN 61131-2, type 1 and 3)
High level signal voltage	11...30 VDC (EN 61131-2, type 1 and 3)
Digital outputs	
Number of channels	8
Connectivity outputs	Screw terminals
Output type	PNP
Type of output diagnostics	Channel diagnostics
Output current per channel	1.0 A
Load type	resistive, inductive, lamp load
Short-circuit protection	yes
Electrical isolation	500 VDC

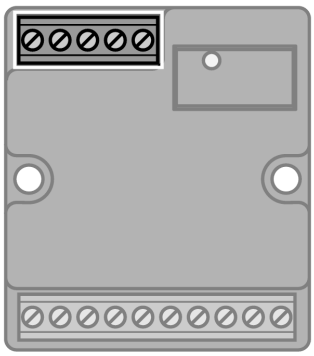
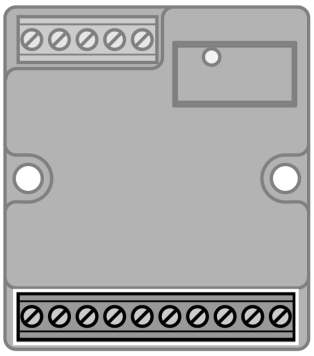
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IO-Link	
Connectivity IO-Link	Screw terminals
IO-Link specification	V 1.1
IO-Link port type	Class A
Frame type	Supports all
Transmission rate	COM 2 / 38.4 kbps
Programming	FDT/DTM

Standard/Directive conformity	
Approvals and certificates	CE, UL

General Information	
Dimensions (W x L x H)	55 x 62.48 x 23.4 mm
Ambient temperature	-40…+70 °C
Storage temperature	-40…+85 °C
Altitude	Max. 5000 m
Protection class	IP20
MTTF	651 years acc. to SN 29500 (Ed. 99) 20 °C
Housing material	PA6-GF30
Housing color	Black
Mounting	2 mounting holes Ø 5 mm

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		IO-Link Screw Terminals  5 4 3 2 1 1 = V1 + 2 = n.c. 3 = V1 - 4 = C/Q 5 = n.c.
		I/O Screw Terminals  1 2 3 4 5 6 7 8 9 10 1 = V1 - 2 = I/O_0 3 = I/O_1 4 = I/O_2 5 = I/O_3 6 = I/O_4 7 = I/O_5 8 = I/O_6 9 = I/O_7 10 = V_{AUX} +

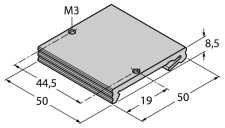
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Module LED status

LED indication	Color	Status	Description
IO-Link	Green	OFF	Power off
		Flashing	IO-Link communication OK, valid process data is being sent or received
	Red	ON	IO-Link communication or module error
		Flashing	IO-Link communication OK, invalid process data or diagnosis

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Accessories

Type code	Ident-No.		Dimension drawing
FDN20-BKT-DIN	Z0076	Mounting adapter for mounting of 8-channel Fxx20 modules on DIN rail (TS 35)	

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