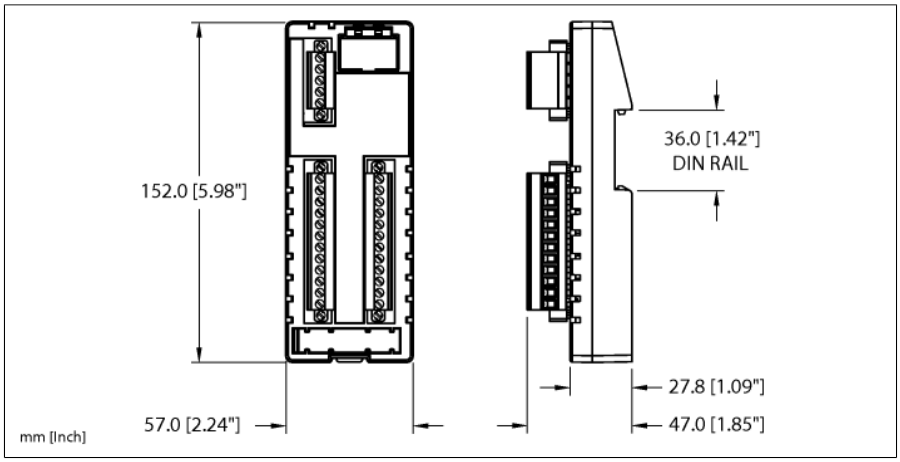
I/O Hub for connection of digital signals to IO-Link Master
16 Universal Digital Channels, PNP
FIL20-16DXP





- Rugged, I/O hub in IP20
- Metal screw terminal connectors
- 16 universal digital channels, DI/DO
- 24 VDC, PNP
- Output current: 500 mA
- I&M Data Sets Support Installation and Maintenance
- IO-Link Diagnostics for Short-Circuit and Supply Voltage
- For mounting on a DIN rail

Type	FIL20-16DXP
ID	100028254

Supply	
Supply voltage	24
Admissible range	18…30 VDC V1 max. 4 A V2 max. 4 A
System power supply	V1+
Voltage supply connection	Screw terminals
Operating current	120 mA
Sensor/actuator supply	Class A supply I/O0...I/O7 from V1 Short-circuit protected, 500 mA per channel
Sensor/actuator supply	Class B supply I/O8...I/O15 from V2 Short-circuit protected, 500 mA per channel
Electrical isolation	Potential isolation of V1 and V2 voltage groups Voltage proof up 500 VDC

System data	
Fieldbus connection technology	Screw terminals
Terminal cross-section	0.08…4.0 mm² (AWG: 28…12)
Tightening torque	0.5 Nm

Digital inputs	
Number of channels	16
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)

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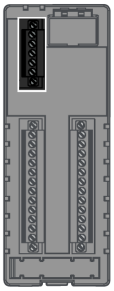
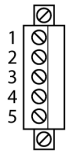
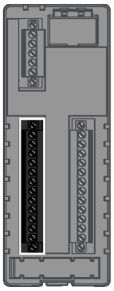
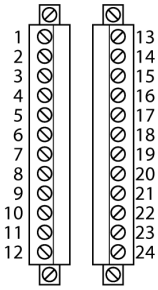
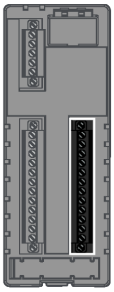
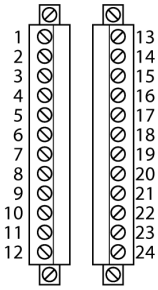
Digital outputs	
Number of channels	16
Connectivity outputs	Screw terminals
Output type	PNP
Type of output diagnostics	Channel diagnostics
Output current per channel	500 mA
Load type	resistive, inductive, lamp load
Short-circuit protection	yes
Electrical isolation	500 VDC

IO-Link	
Connectivity IO-Link	Screw terminals
IO-Link specification	V 1.1
IO-Link port type	Class A and Class B
Frame type	2.6
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)	57.2 x 152.4 x 47 mm
Ambient temperature	-40…+70 °C
Storage temperature	-40…+85 °C
Protection class	IP20
Housing material	PA6-GF30
Housing color	Black
Mounting	DIN rail mounting

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	**Power Supply**	IO-Link Screw Terminals 
	**I/O Channels** The internal module electronics and the I/O channels 0 to 7 are supplied via V1.	IO Screw Terminals 
	**I/O Channels** The I/O channels 8 to 15 are supplied via V2.	IO Screw Terminals 

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Module LED status

LED	Color	Status	Description
IO-Link	Green	OFF	Power off
		Flashing	IO-Link communication OK, valid process data is sent or received
	Red	ON	IO-Link communication or module error
		Flashing	IO-Link communication OK, invalid process data or diagnosis enabled, V1 or V2 undervoltage

I/O LED Status

LED	Color	Status	Description
I/O0…I/O7 I/O8…I/O15	Green	ON	Input or output active