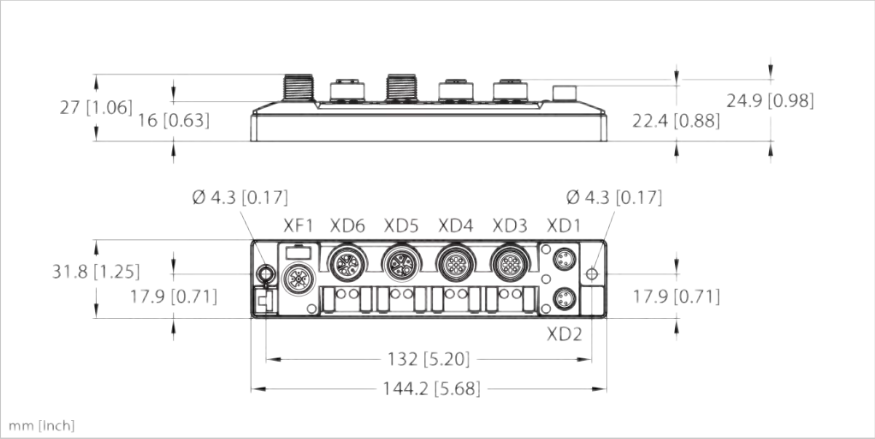
TBIF-LL-2M12-2M8-TM24

Electronic circuit breaker with IO-Link





Typ	TBIF-LL-2M12-2M8-TM24
Ident-No.	100050317

Technical data

Power supply	
Supply voltage	24 VDC
Admissible range	18 … 30 VDC
Voltage supply connection	M12, L-coded
Inputs	
Max. input current	16 A
Digital outputs	
Connectivity outputs	2 × M12-A; 2 × M8 (each redundant 2-channel)
Output current per channel	Max. 4 A (protected, adjustable)
IO-Link	
Connectivity IO-Link	1 × M12
Mechanical data	
Dimensions	144 mm x 32 mm x 27 mm
Housing material	Plastic, PA6-GF30, Black
Mounting	2 fixing holes, Ø 4.3 mm
Ambient conditions	
Ambient temperature	-25...+75 °C
Storage temperature	-40…+85 °C
Derating	> 55 °C

Features

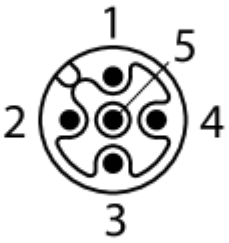
- Electronic circuit breaker with adjustable output current max. 4 A
- M12 Power input, L-coded, 24 VDC/16 A
- 4 secured outputs: 2 × M12 A-coded, 2 × M8, each with 2-channel redundancy
- M12 A-coded IO-Link interface
- Reliable switching of high capacitive loads
- Sequential and load-dependent channel activation
- Diagnostics of input voltage and output current via IO-Link
- Circuit breaker reset and channel switching via IO-Link
- Protection class: IP67, IP69K

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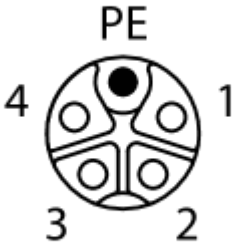
Technical data

Altitude	max. 3000 m
Pollution degree	2
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-3, EN 61131-2
Protection class	IP67 IP69K, (IEC 60529 / EN 60529)
Tests/approvals	
Approvals	CE, UKCA, RoHS
Comments	
Packaging unit	1

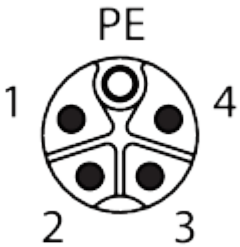
IO-Link (XF1) - M12-A



Output (XD6) — M12-L

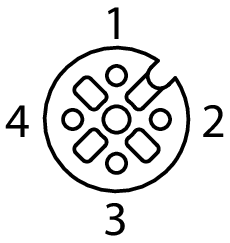


Input (XD5) - M12-L

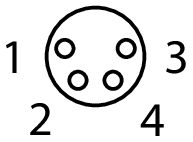


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Output (XD3...XD4) - M12-A

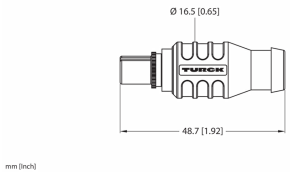


Output (XD1…XD2) — M8



Connection accessories - I/O

RKE4.4T-R24	6638601



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