

Technical data sheet · Actuator sensor interface



Identification	Type Part-No.	MDT-RJ45 F 8pol. Cat.6A TIA 568B 490209
Technical data		
Rated voltage U_N	AC 24 V	
Rated voltage max.	50 V	
Rated current	≤ 1 A per contact	
Pole number	8	
Transfer rate	10 Gbit/s	
Category	Cat.6A	
Contact type	IDC	
Shielding	shielded	
General		
Degree of pollution	1	
Insulation resistance	$> 500 \text{ M}\Omega$	
Contact resistance	$< 20 \text{ m}\Omega$	
Flamability according to UL 94	V0	
Protection class	IP20	
Housing material	PC	
Color of the housing	grey	
Color	grey	
Contact material	CuSn, gold-plated	

26.08.2020 – Subject to technical modification

Part-No. 490209

USA: LUTZE INC.

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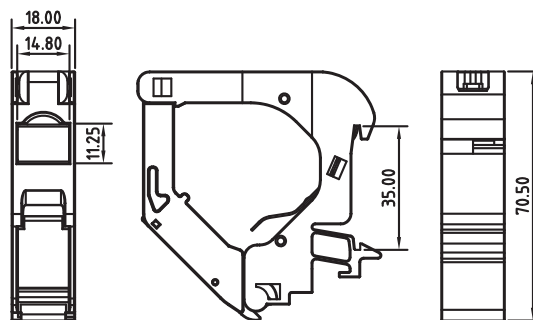
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Cable diameter	– 9 mm
Operation temperature range	-40 °C ... +70 °C
Storage temperature range	-40 °C ... +70 °C
Dimensions (w × h × d)	18.0 × 70.5 × 67.5 mm
Mechanical service life	>750 insertion cycles
Cross-section AWG	AWG 27-22/7
Weight	0.053 kg/piece
PU	1 piece

Dimensions



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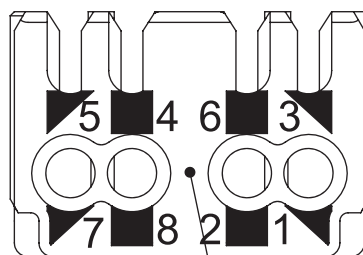
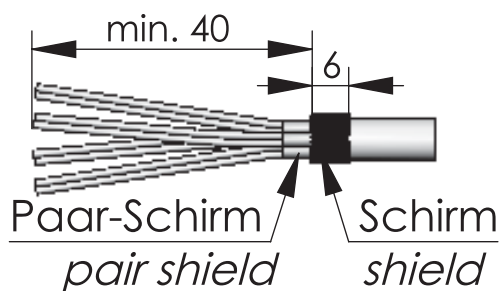
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SYSTEMATIC TECHNOLOGY

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PIN assignment



Anschluss
Connection

Connection assignment

RJ45

	TIA 568A	TIA 568 B	Profinet
1	WHGN	WHOG	YE
2	GN	OG	OG
3	WHOG	WHGN	WH
4	BU	BU	-
5	WHBU	WHBU	-
6	OG	GN	BU
7	WHBR	WHBR	-
8	BR	BR	-

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