

RJ45 connector



Identification	Type	RJ45-M 8pol. Cat.6A T568B AWG 26/19
	Part-No.	490138

Description	Industrial connector RJ45 solid metal housing, quick-connect technology AWG 27–22 Cat 6A
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Technical data	
Nominal voltage	30 V
Rated current	Max. 1.0 A per contact
Pol number	8
Transfer rate	10 Gbit/s
Transmission frequency	10 GBit/s
Category	6A (ISO/IEC 11801, DIN EN 50173-1)
Contact type	Penetration contacts
Shielding	yes

General	
Form	RJ45 (IEC 60603-7-51)
Pollution degree	1
Insulation resistance	$\geq 500 \text{ M}\Omega$
Contact resistance	$\leq 20 \text{ m}\Omega$

30.01.2017 – Subject to technical modification

Part-No. 490138

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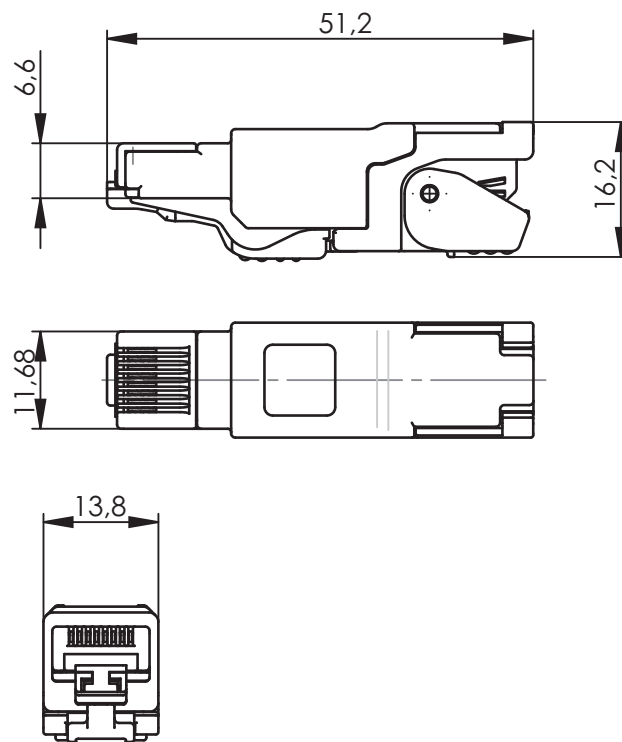


SYSTEMATIC TECHNOLOGY

Technical data sheet - Actuator sensor interface

Class of flammability according to UL 94	V0
Protection class	IP 20
Housing material	Zinc die-casting, nickel-plated/PBT black
Coverage	PBT black
Contact material	Spring steel 0.8 µm gold-plated
Cable diameter	5 – 9 mm
Strand diameter	0.85 – 1.1 mm
Storage temperature range	-40 °C ... 70 °C
Operation temperature range	-40 °C – 70 °C
Dimensions (w × h × d)	13.8 × 16.2 × 53.1 mm
Mechanical service life	≥ 750 insertion cycles
Cross section	AWG 26/1, AWG 26/7, AWG 26/19
Weight (kg/piece)	0.025
Approvals	cULus
Standards	IEC 60603-7-51
PU	1

Dimensions



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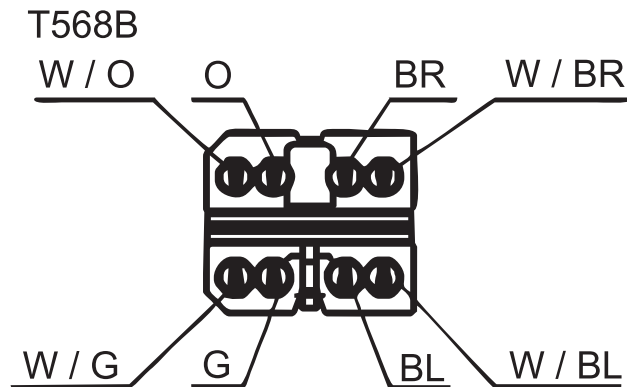
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Technical data sheet · Actuator sensor interface

Connection assignment



Symbols



Comments

Suitable for Profinet, SERCOS3, Ethercat, Ethernet/IP, Powerlink, VARAN, Power over Ethernet+ (PoE+IEEE 802.3at)
Suitable cables, see overview assignment Ethernet cables to connectors

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