

## Technical data sheet

Actuator sensor interface · RJ45 connector

---

Industrial connector RJ45, angled

Solid metal housing, quick-connect technology AWG 24–22

Cat.6<sub>A</sub>



---

### Identification

Type RJ45-MR 8pol. Cat.6A T568B  
Part No. [490151](#)

---

### Product version

Datasheet version 00

---

### General

Design	RJ45 angle connector
Form male 1	RJ45 angle connector shielded
Degree of pollution	1
Insulation resistance	>500 MΩ
Contact resistance	<20 mΩ
Flamability according to UL 94	V0
Degree of protection	IP20
Housing material	Zinc die-casting
Color of the housing	silver
Color	black
Cover	PBT black
Contact material	Spring steel gold-plated
Strand diameter	1 mm – 1.6 mm
Cable diameter	5.5 mm – 10 mm
Operation temperature range	-40 °C ... +85 °C
Storage temperature range	-40 °C ... +85 °C
Dimensions (w × h × d)	13.9 mm × 38.0 mm × 45.7 mm
Mechanical service life	>750 insertion cycles
Cross-section AWG	24-22/1, 24-22/7,19
Connection type	8-pin RJ45 Push-through contacts IPC

---

#### USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA  
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223  
www.lutze.com • info@lutze.com

29.04.2022 • Subject to technical modification

Part No. [490151](#) • Datasheet version: 00

page 1 of 3



SYSTEMATIC TECHNOLOGY

## Technical data sheet

### Actuator sensor interface · RJ45 connector

Weight/unit	0.03 kg
PU (units)	1

#### Technical data

Rated voltage $U_N$	30 V
Rated current	$\leq 1$ A per contact
Pole number	8
Bandwidth	500 MHz
Transfer rate	10 Gbit/s
Category	Cat.6 <sub>A</sub>
Shielding	shielded

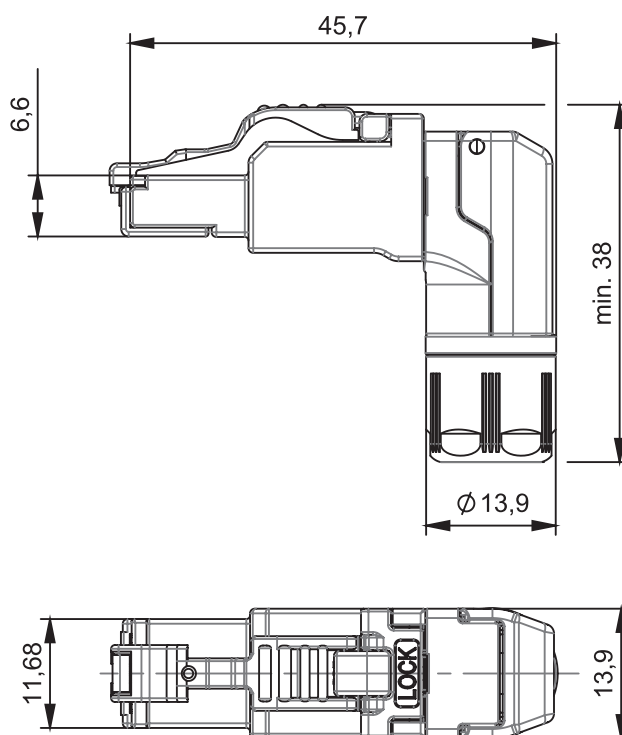
#### Approvals/Standards

Approvals	cULus Listed (E326112)
Standards	IEC 60603-7-51

#### Notes and Comments

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
----------	--

#### Dimensions



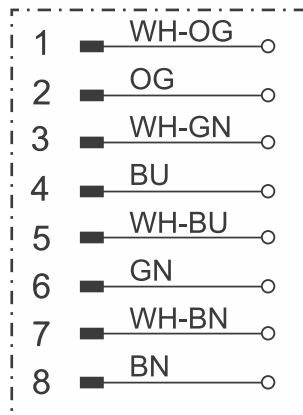
## Technical data sheet

Actuator sensor interface · RJ45 connector

---

### Connection assignment

RJ45 male  
Ethernet T568B



### Mounting diagram

