

Technical data sheet

Actuator sensor interface · RJ45 connector

Industrial connector RJ45

Solid metal housing, quick-connect technology AWG 24–22
suitable for Profinet, protective cover pre-assembled



Identification

Type	RJ45-MS 4pol. PROFINET
Part No.	490177

Product version

Datasheet version	00
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General

Design	RJ45
Form male 1	RJ45 Straight 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	silver
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 × 16.3 mm × 53.8 mm
Mechanical service life	>750 insertion cycles

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Connection type	4-pin RJ45 Push-through contacts IDC
Cross-section AWG	24-22/1, 24-22/7,19
Weight/unit	0.025 kg
PU (units)	1

Technical data

Rated voltage U_N	30 V
Max. Power PoE	PoE+ IEEE 802.3at 30W
Rated current	≤ 1 A per contact
Pole number	4
Bandwidth	100 MHz
Transfer rate	1 Gbit/s
Category	Cat.5e
Shielding	shielded

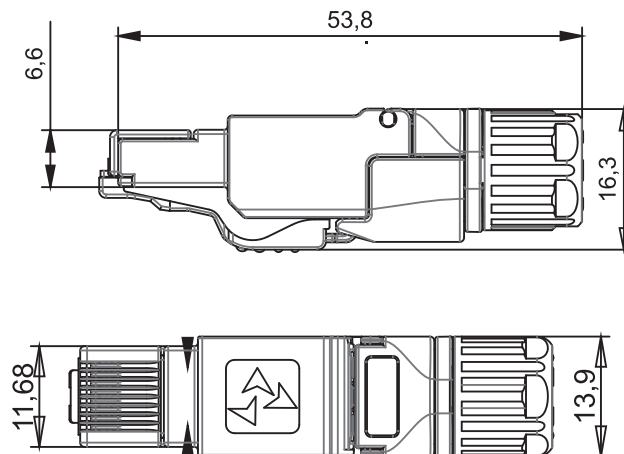
Certifications/Standards

Certifications	cULus Listed (E326112)
Standards	IEC 61784-5-3

Notes and Comments

Comments	Suitable for Profinet, SERCOS3, Ethercat, Power over Ethernet+ (PoE+IEEE 802.3at) Suitable cables, see overview assignment Ethernet cables to connectors
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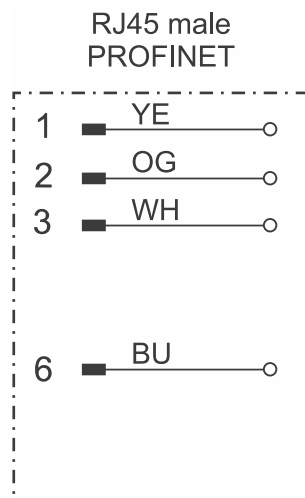
Dimensions



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Connection assignment



Mounting diagram

