

DATASHEET

DIREKTRONIK

RJ45 Premium plug STP, Cat.6A/ClassEA, Field-plug, full metal



General data

The Cat. 6A Premium RJ45 is a highlight in the chain of further development of RJ45 connectors for field assembly. An extraordinarily robust full metal housing made of zinc die-casting paired with the unique variable cable feed opens up a wide range of application possibilities. Installation can be done in **9 different positions**: 8 different angled positions and a 180° straight cable entry. The conical metal cable gland allows cable diameters from 6.0mm to 9.0mm. The connector meets the requirements of transmission class Cat. 6A/Class EA and supports the Ethernet protocol up to **10 Gigabit** per second.

Allgemeine Daten

Type of connector	RJ45 8(8)
AWG-range for litz wire conductor	22 - 27
Suitable for litz wire conductor	True
Suitable for degree of protection (IP)	IP20
Suitable for solid core	True
Suitable for flat cable	False
Max. cable diameter	9.0 mm
AWG-range	22 - 26
Suitable for round cable	True

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Model	plug
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General data

Housing material	Zinc die cast
Category	6A (IEC)
Connection type	Insulation displacement connector
Special tool necessary	False
Complaint to UL94	V-0

Mechanical characteristics

Mating cycles	≥ 750 Mating cycles
Dust cover	true
Separate earthing flag	False
Contact coating	50 µ"

Mechanische Eigenschaften

360° shield contact	True
Shield contact and strain relief separate	False
Type of locking	snap lock

Environmental conditions

Temperature range	-40 – 66 °C
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Electrical characteristics

Insulation Resistance	≥ 500 MΩ
Current Rating	2 A
Contact Resistance	≤ 20 mΩ
Dielectric Withstanding Voltage	1000 V DC
4PPOE certified	True

Structure du câble

screened	True
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Available variants