



preLink® RJ45 connector

Advantages

- RJ45 Ethernet-Data connector suitable for industry
- Compact and robust design
- 360° shielding
- Ergonomically unlocking clip
- Category of transmission Cat. 6A
- Suitable for solid and stranded wires
- Suitable for PoE (IEEE 802.3af) and PoE+ (IEEE 802.3at)

Technical characteristics

Connector type	RJ45 connector acc. to IEC 60603-7
Number of contacts	8
Transmission performance	Category 6A, Class E _A up to 500 MHz acc. to ISO/IEC 11801, EN 50 173-1
Data rate	10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 2,5 Gbit/s, 5 Gbit/s, 10 Gbit/s
Shielding	fully shielded, 360° shielding contact
Mounting	preLink® IDC termination
Cable termination for preLink® terminal module, yellow, 20 82 000 0001	
Connectable cables	
– Conductor cross section	AWG 23 ... AWG 22 (solid and stranded)
– Conductor diameter	1.3 ... 1.6 mm
Cable termination for preLink® terminal module, white, 20 82 000 0003	
Connectable cables	
– Conductor cross section	AWG 27 ... AWG 26 (solid and stranded)
– Conductor diameter	0.8 ... 1.1 mm
Cable diameter	5 ... 9 mm
Degree of protection	IP20
Mating cycles	min. 750
Temperature range	-40 °C ... +70 °C
Housing material	Zinc die-cast, nickel-plated

Identification	Part number	Drawing	Dimensions in mm
preLink® RJ45 connector	20 82 101 0010		
preLink® RJ45 terminal module			
AWG 22/23, yellow ¹⁾	20 82 000 0001		
AWG 26/27, white ¹⁾	20 82 000 0003		
AWG 22/23, black ¹⁾ , 4 poles	20 82 000 0005		
AWG 22/23, black ²⁾ , 4 poles	20 82 000 0005 XL		
preLink® assembly tool	20 82 000 9901		

Identification	Color	Part number	Color	Part number
Colour clips for colour coding the preLink® connectors	White	09 45 850 0001	Red	09 45 850 0007
	Grey	09 45 850 0002	Blue	09 45 850 0008
	Yellow	09 45 850 0003	Green	09 45 850 0009
	Magenta	09 45 850 0005	Brown	09 45 850 0010

¹⁾ Packaging with 10 pieces
²⁾ Packaging with 100 pieces