

RJ4C5 R1Y 3.3N4N RL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

Version	OMNIMATE Data - RJ45 modular jack, PCB plug-in connector, Cat. 5, THT/THR solder connection, 135°, top, none, No, Plugging cycles: 750, Number of poles: 8, PA 9T, 30...80 µ" Ni / ≥ 30 µ" Au , Tape
Order No.	3154550000
Type	RJ4C5 R1Y 3.3N4N RL
GTIN (EAN)	4099987649209
Qty.	180 items
Packaging	Tape

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	17.6 mm	Depth (inches)	0.6929 inch
Height	21.3 mm	Height (inches)	0.8386 inch
Height of lowest version	16.5 mm	Width	15.4 mm
Width (inches)	0.6063 inch	Net weight	10.21 g

System specifications

Number of poles	8
LED	No
Solder pin length (l)	3.25 mm
Mounting onto the PCB	THT/THR solder connection
Pitch in inches (P)	0.050 "
Shielding material	Brass
Shielding	Yes
Side termination, characteristic	Solder flange
Solder eyelet hole diameter tolerance (D)	± 0.1 mm
Number of solder pins per pole	1
Type of connection	Solder connection
Solder eyelet hole diameter (D)	0.9 mm
Category	Cat. 5
Product family	OMNIMATE Data - RJ45 modular jack
Pitch in mm (P)	1.27 mm
Protection degree	IP20
Plugging cycles	750
Model	Socket
Outgoing elbow	135°
Shield surface	nickel-plated
Shield tabs	none
Performance-Category	Cat. 5
Soldering process	Reflow soldering, Manual soldering, Wave soldering
Latch option	top
Solder pin dimensions	Octagonal
Solder pin length tolerance	Lower tolerance with prefix (reveals minimum) -0.5
	Upper tolerance with prefix (reveals maximum) +0.5
	Tolerance, unit mm
Solder pin length tolerance	+0.5 / -0.5 mm

Electrical properties

Dielectric strength, contact / shield	1500 V DC	Dielectric strength, contact / contact	1000 V DC
Volume resistance	<25 mΩ	Insulation resistance	≥ 500 MΩ
Nominal voltage	125 V	PoE / PoE+	conforming to IEEE 802.3at

Standards

Connector standard	IEC 60603-7-51
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Material data

Insulating material	PA 9T	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 500	Insulation resistance	≥ 500 MΩ
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
Contact base material	Phosphorus bronze	Contact material	Cu-alloy
Contact surface	Gold over nickel	Layer structure of plug contact	30...80 μ" Ni / ≥ 30 μ" Au
Storage temperature, min.	-40 °C	Storage temperature, max.	85 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	85 °C

Packing

Packaging	Tape	VPE length	345.00 mm
VPE width	345.00 mm	VPE height	120.00 mm
Tape reel diameter ∅ (A)	330 mm	Surface resistance	Rs = 109 - 1012 Ω

Important note

Notes

Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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Drawings

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