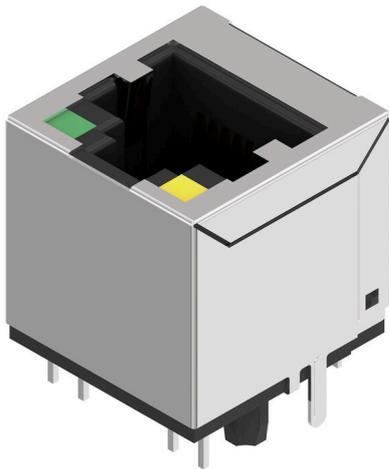


RJ45C5 R1V 3.2N4G/Y RL

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

www.weidmueller.com

Product image



The product range encompasses the following designs:

- 90°, lying (horizontal) and 180°, standing (vertical)
- latch up / latch down
- THT, THR or SMD soldering processes
- Wide range of different design types, also with integrated LEDs and shield contact tabs
- Performance category Cat. 3 to Cat. 6
- Packed either in a tray (TY) or on a roll (tape-on-reel, RL)
- Compatible with modular RJ45 connector according to ANSI / TIA-1096-A and IEC 60603
- Dielectric strength ≥ 1500 V AC RMS (2250 V AC peak value) according to IEEE 802.3
- Dielectric strength ≥ 1500 V AC (peak value) or ≥ 1500 V DC according to IEC 60603

Properties and advantages:

- Extended temperature range of -40°C to $+85^{\circ}\text{C}$ for maximum performance
- Reinforced gold layer ($30\mu\text{m}$) for improved corrosion protection
- At least 0.3mm stand-off ensures a perfect soldering result

General ordering data

Version	OMNIMATE Data - RJ45 modular jack, PCB plug-in connector, Cat. 5, THT/THR solder connection, 180°, none, Yes, Plugging cycles: 750, Number of poles: 8, PA 9T, Tape
Order No.	2745360000
Type	RJ45C5 R1V 3.2N4G/Y RL
GTIN (EAN)	4050118877267
Qty.	200 items
Packaging	Tape

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Technical data

Approvals

Approvals	CURUS
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E471884

Dimensions and weights

Depth	16.7 mm	Depth (inches)	0.6575 inch
Height	16.5 mm	Height (inches)	0.6496 inch
Width	16 mm	Width (inches)	0.6299 inch
Net weight	2.05 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

System specifications

Number of poles	8	LED	Yes
Solder pin length (l)	3.2 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	Category	Cat. 5
Product family	OMNIMATE Data - RJ45 modular jack	Pitch in mm (P)	1.27 mm
Protection degree	IP20	Plugging cycles	750
Outgoing elbow	180°	Forward current	20 mA
Forward voltage, max.	2.6 V	Shield surface	nickel-plated
Shield tabs	none	Performance-Category	Cat. 5
Soldering process	Reflow soldering, Manual soldering, Wave soldering	Solder pin dimensions	Octagonal
Tolerance of solder pin position	± 0.1 mm	Forward voltage, min.	1.8 V
Colour of left LED	green		

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	Rated current	1.5 A
PoE / PoE+	conforming to IEEE 802.3at		

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	Storage temperature, min.	-40 °C
Storage temperature, max.	85 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	85 °C		

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Technical data**Packing**

Packaging	Tape	VPE length	354.00 mm
VPE width	349.00 mm	VPE height	129.00 mm

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

Product image

