

## RJ45C5 R1V 3.2N4G/Y RL

Weidmüller Interface GmbH & Co. KG

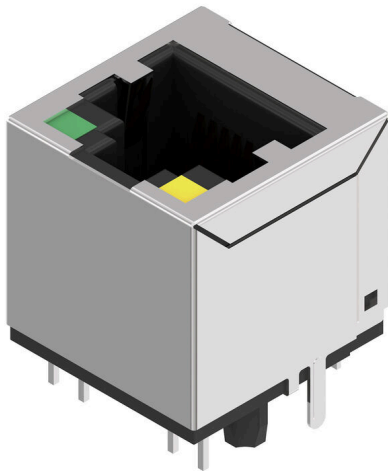
Klingenbergstraße 26

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  $\geq 1500$  V AC RMS (2250 V AC peak value) according to IEEE 802.3
- Dielectric strength  $\geq 1500$  V AC (peak value) or  $\geq 1500$  V DC according to IEC 60603

Properties and advantages:

- Extended temperature range of  $-40^{\circ}\text{C}$  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.	<a href="#">2745360000</a>
Type	RJ45C5 R1V 3.2N4G/Y RL
GTIN (EAN)	4050118877267
Qty.	200 items
Packaging	Tape

## RJ45C5 R1V 3.2N4G/Y RL

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

www.weidmueller.com

## Technical data

## Approvals

Approvals	CURUS
ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
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		

**RJ45C5 R1V 3.2N4G/Y RL**

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

[www.weidmueller.com](http://www.weidmueller.com)

**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		

**RJ45C5 R1V 3.2N4G/Y RL**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

**Product image**

