

RJ45M R21UD 3.3E4G/Y TY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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 transformer jack, PCB plug-in connector, THT/THR solder connection, 90°, Yes, Plugging cycles: 750, Number of poles: 10, PA 9T, Tray (manual assembly)
Order No.	2797020000
Type	RJ45M R21UD 3.3E4G/Y TY
GTIN (EAN)	4064675212720
Qty.	60 items
Packaging	Tray (manual assembly)

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Technical data

Approvals

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

Dimensions and weights

Net weight	10 g
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Environmental Product Compliance

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

System specifications

Number of poles	10	LED	Yes
Solder pin length (l)	3.3 mm	Mounting onto the PCB	THT/THR solder connection
Pitch in inches (P)	0.050 "	Shielding	Yes
Side termination, characteristic	Solder flange	Type of connection	Solder connection
Product family	OMNIMATE Data - RJ45 transformer jack	Pitch in mm (P)	1.27 mm
Protection degree	IP20	Plugging cycles	750
Outgoing elbow	90°	Forward current	20 mA
Forward voltage, max.	2.6 V	Colour of right LED	yellow
Soldering process	Reflow soldering, Manual soldering, Wave soldering	Forward voltage, min.	1.8 V
Colour of left LED	green		

Electrical properties

Insulation resistance	≥ 500 MΩ	Nominal voltage	125 V
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Standards

Connector standard	IEC 60603-7
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Material data

Insulating material	PA 9T	Colour	black
Colour chart (similar)	RAL 9011	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		

Packing

Packaging	Tray (manual assembly)	VPE length	0.32 m
VPE width	0.20 m	VPE height	0.07 m

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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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