

RJ45C5 T1V 4.0N4N TY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Asortyment produktów obejmuje następujące konstrukcje:

- 90°, leżąca (pozioma) oraz 180°, stojąca (pionowa)
- górny zatrzask / dolny zatrzask
- Procesy lutowania THT, THR lub SMD
- Szeroki wybór różnorodnych konstrukcji, także z wbudowanymi kontrolkami LED oraz zaciskami ekranu
- Kategoria działania Cat. 3 do Cat. 6
- Pakowane na tacy (TY) lub na rolce (taśma na szpuli, RL)
- Kompatybilny ze złączem modułowym RJ45, zgodnie z ANSI / TIA-1096-A oraz IEC 60603
- Wytrzymałość dielektryczna ≥ 1500 V AC RMS (wartość szczytowa 2250 V AC) zgodnie z IEEE 802.3
- Wytrzymałość dielektryczna ≥ 1500 V AC (wartość szczytowa) lub ≥ 1500 V DC zgodnie z IEC 60603

Właściwości i zalety:

- Rozszerzony zakres temperaturowy od -40° degC do $+85^{\circ}$ degC dla maksymalnej wydajności
- Wzmocniona warstwa złota (30μ) dla lepszego zabezpieczenia przed korozją
- Odstęp minimum 0,3 mm zapewnia idealne rezultaty lutowania

Ogólne dane zamówieniowe

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|------------|---|
| Wykonanie | Złącze wtykowe do druku, Gniazda RJ45, Cat. 5 , Połączenie lutowane THR, 180°, Zaciski ekranu: brak, 30...80 μ " Ni / ≥ 30 μ " Au , LED: Nie, Liczba biegunów: 8, Taca (montaż ręczny) |
| Nr zam. | 2436450000 |
| Typ | RJ45C5 T1V 4.0N4N TY |
| GTIN (EAN) | 4050118448832 |
| Ilość | 120 Szt. |
| opakowanie | Taca (montaż ręczny) |

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Dane techniczne

Wymiary i ciężary

| | | | |
|------------------------------|-----------|------------------|------------|
| Głębokość | 16,7 mm | Głębokość (cale) | 0,657 inch |
| Wysokość | 20 mm | Wysokość (cale) | 0,787 inch |
| Najmniejsza wysokość montażu | 16,5 mm | Szerokość | 16 mm |
| Szerokość (cale) | 0,63 inch | Masa netto | 0,44 g |

Normy

| | |
|--------------------------------|----------------|
| Norma dot. łączników wtykowych | IEC 60603-7-51 |
|--------------------------------|----------------|

Właściwości elektryczne

| | | | |
|--------------------------------------|------------------------|-------------------------------------|-----------|
| PoE / PoE+ | zgodnie z IEEE 802.3at | Prąd znamionowy | 1,5 A |
| Rezystancja skrośna | <25 mΩ | Wytrzymałość izolacji | ≥ 500 MΩ |
| Wytrzymałość napięciowa styk / ekran | 1500 V DC | Wytrzymałość napięciowa styk / styk | 1000 V DC |
| napięcie znamionowe | 125 V | | |

Specyfikacje systemu

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|--|---------------------------------------|---|---------------------|
| średnica otworu montażowego (D) | 0,9 mm | Cykle wpinania | 750 |
| Długość pinu do lutowania (l) | 4 mm | Ekranowanie | Tak |
| Kategoria | Cat. 5 | Klasa mocy | Cat. 5 |
| LED | Nie | Liczba biegunów | 8 |
| Materiał ekranu | mosiądz | Powierzchnia ekranu | niklowany |
| Proces lutowania | Lutowanie ręczny, Lutowanie falowe | Raster w mm (P) | 1,27 mm |
| Raster w calach (P) | 0,05 " | Rodzaj przyłącza | Połączenie lutowane |
| Rodzina produktów | OMNIMATE Data - gniazdo modułowe RJ45 | Stopień ochrony | IP20 |
| Tolerancja średnicy otworu montażowego (D) | ± 0,1 mm | Tolerancja pozycjonowania kołka lutowaniczego | ± 0,1 mm |
| Wymiary kołka lutowaniczego | ośmiokątny | Zaciski ekranu | brak |
| kąt odejścia | 180° | liczba kołków lutowanych na biegun | 1 |
| montaż na płycie drukowanej | Połączenie lutowane THR | | |

Dane materiałowe

| | | | |
|---------------------------------------|----------------------------|---------------------------------|----------------|
| Materiał izolacyjny | PA 66 | Barwny | czarny |
| Tabela kolorów (podobny) | RAL 9011 | grupa materiałów izolacyjnych | II |
| Porównywalny wskaźnik śledzenia (CTI) | ≥ 500 | Wytrzymałość izolacji | ≥ 500 MΩ |
| Klasa palności wg UL 94 | V-0 | podstawowy materiał styku | Fosforo-brąz |
| Materiał styków | Stop Cu | Powierzchnia styku | Złoto na niklu |
| Struktura warstwowa wtyku | 30...80 μ" Ni / ≥ 30 μ" Au | Temperatura magazynowania, min. | -40 °C |
| Temperatura magazynowania, max. | 85 °C | Temperatura pracy, min. | -40 °C |
| Temperatura pracy, max. | 85 °C | | |

Opakowanie

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|---------------|----------------------|--------------|--------|
| opakowanie | Taca (montaż ręczny) | Długość VPE | 317 mm |
| Szerokość VPE | 191 mm | Wysokość VPE | 67 mm |

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Dane techniczne

Klasyfikacje

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|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002637 | ETIM 7.0 | EC002637 |
| ETIM 8.0 | EC002637 | ETIM 9.0 | EC002637 |
| ECLASS 9.0 | 27-44-04-02 | ECLASS 9.1 | 27-44-04-02 |
| ECLASS 10.0 | 27-44-04-02 | ECLASS 11.0 | 27-46-02-01 |
| ECLASS 12.0 | 27-46-02-01 | ECLASS 13.0 | 27-46-02-01 |

Dopuszczenia

| | |
|------|--------|
| ROHS | Zgodny |
|------|--------|

Pobieranie

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| Dopuszczenie/Certyfikat/Deklaracja zgodności | Certificate of Compliance |
| Dane projektowe | CAD data – STEP |
| Powiadomienie o zmianie produktu | PCN PCN |
| Dokumentacja użytkownika | MAN IE GUIDE DE MAN IE GUIDE EN |
| Katalogi | Catalogues in PDF-format |

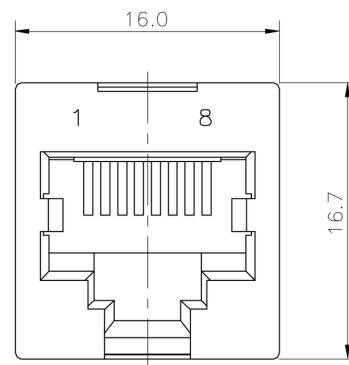
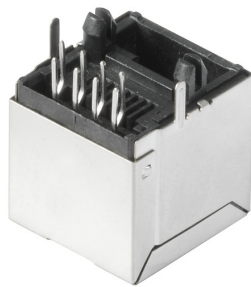
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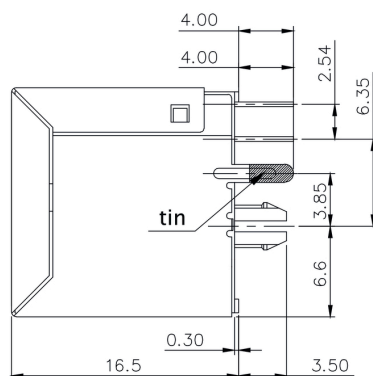
www.weidmueller.com

Rysunki

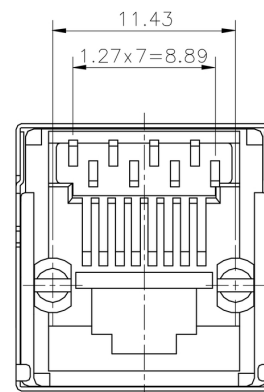
Rysunek wymiarowy



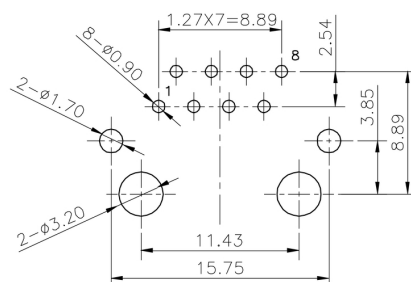
Rysunek wymiarowy



Rysunek wymiarowy



Układ płytek obwodu drukowanego



PCB LAYOUT

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Rysunki

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Recommended wave soldering profiles

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Single Wave:



Double Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.

We reserve the right to make technical changes.