

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Marshalling patchboard, Labeled from 1 - 32, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, cross section: 0.14 mm² - 2.5 mm², mounting: Panel mounting, 19" rack, color: gray

Your advantages

- Tool-free wiring in a confined space thanks to compact size
- Clear representation of actuation and terminal points through vertical conductor routing
- High contact quality thanks to push-in technology as a replacement for Wire-Wrap®, TERMI-POINT®, etc.
- Color configuration according to VDE 0815
- For mounting in 19" racks

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3270395 |
| Packing unit | 24 pc |
| Minimum order quantity | 24 pc |
| Product key | BE6212 |
| GTIN | 4055626282558 |
| Weight per piece (including packing) | 111 g |
| Weight per piece (excluding packing) | 111 g |
| Country of origin | PL |

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Technical data

Product properties

| | |
|-----------------------|----------------------|
| Product type | Marshalling terminal |
| Number of positions | 32 |
| Number of connections | 128 |
| Number of rows | 1 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 0.56 W |

Connection data

| | |
|---|--|
| Number of connections per level | 128 |
| Nominal cross section | 1.5 mm ² |
| Rated cross section AWG | 14 |
| Connection method | Push-in connection |
| Stripping length | 8 mm ... 10 mm |
| Internal cylindrical gage | A1 |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross-section rigid | 0.14 mm ² ... 2.5 mm ² |
| Cross section AWG | 26 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible [AWG] | 26 ... 16 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.14 mm ² ... 1.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.14 mm ² ... 1.5 mm ² |
| Nominal current | 17.5 A |
| Maximum load current | 24 A (in case of a 2.5 mm ² conductor cross-section, the maximum load current must not be exceeded by the total current of all connected conductors.) 12 A (in case of a 2.5 mm ² conductor cross-section, the maximum load current must not be exceeded by the total current of all connected conductors.) |
| Nominal voltage | 500 V |

Connection cross sections directly pluggable

| | |
|---|--|
| Conductor cross-section rigid | 0.34 mm ² ... 2.5 mm ² |
| Conductor cross-section, rigid [AWG] | 20 ... 14 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.34 mm ² ... 1.5 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.34 mm ² ... 1.5 mm ² |

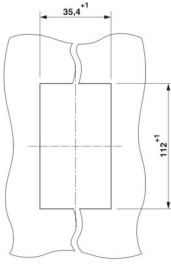
Dimensions

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34.4 mm |
| Height | 111 mm |
| Depth | 30 mm |

Material specifications

| | |
|---|-----------------|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V0 |
| Insulating material group | I |
| Insulating material | PA |
| Static insulating material application in cold | -60 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 27,5 MJ/kg |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |

Electrical tests

Surge voltage test

| | |
|-----------------------|-------------|
| Test voltage setpoint | 7.3 kV |
| Result | Test passed |

Temperature-rise test

| | |
|--|-------------------------------------|
| Requirement temperature-rise test | Increase in temperature \leq 45 K |
| Result | Test passed |
| Short-time withstand current 1.5 mm ² | 0.18 kA |
| Short-time withstand current 2.5 mm ² | 0.3 kA |
| Result | Test passed |

Power-frequency withstand voltage

| | |
|-----------------------|-------------|
| Test voltage setpoint | 1.89 kV |
| Result | Test passed |

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Mechanical tests

Mechanical strength

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Attachment on the carrier

| | |
|-------------------------|-------------|
| DIN rail/fixing support | NS 35 |
| Test force setpoint | 1 N |
| Result | Test passed |

Test for conductor damage and slackening

| | |
|--------------------------------|-------------------------------|
| Rotation speed | 10 rpm |
| Revolutions | 135 |
| Conductor cross-section/weight | 0.14 mm ² / 0.2 kg |
| | 1.5 mm ² / 0.4 kg |
| | 2.5 mm ² / 0.7 kg |
| Result | Test passed |

Environmental and real-life conditions

Aging

| | |
|--------------------|-------------|
| Temperature cycles | 192 |
| Result | Test passed |

Needle-flame test

| | |
|------------------|-------------|
| Time of exposure | 30 s |
| Result | Test passed |

Oscillation/broadband noise

| | |
|------------------------|--|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Spectrum | Long life test category 1, class B, body mounted |
| Frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ |
| ASD level | 0.964 (m/s ²)/Hz |
| Acceleration | 0.58g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Result | Test passed |

Shocks

| | |
|---------------|-------------------------------------|
| Specification | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape | Half-sine |
| Acceleration | 5g |

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

| | |
|--------------------------------|-----------------------------------|
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Result | Test passed |

Ambient conditions

| | |
|--|---|
| Ambient temperature (operation) | -60 °C ... 105 °C (max. short-term operating temperature RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C () |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

Standards and regulations

| | |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

Mounting

| | |
|---------------|----------------|
| Mounting type | Panel mounting |
| | 19" rack |

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard

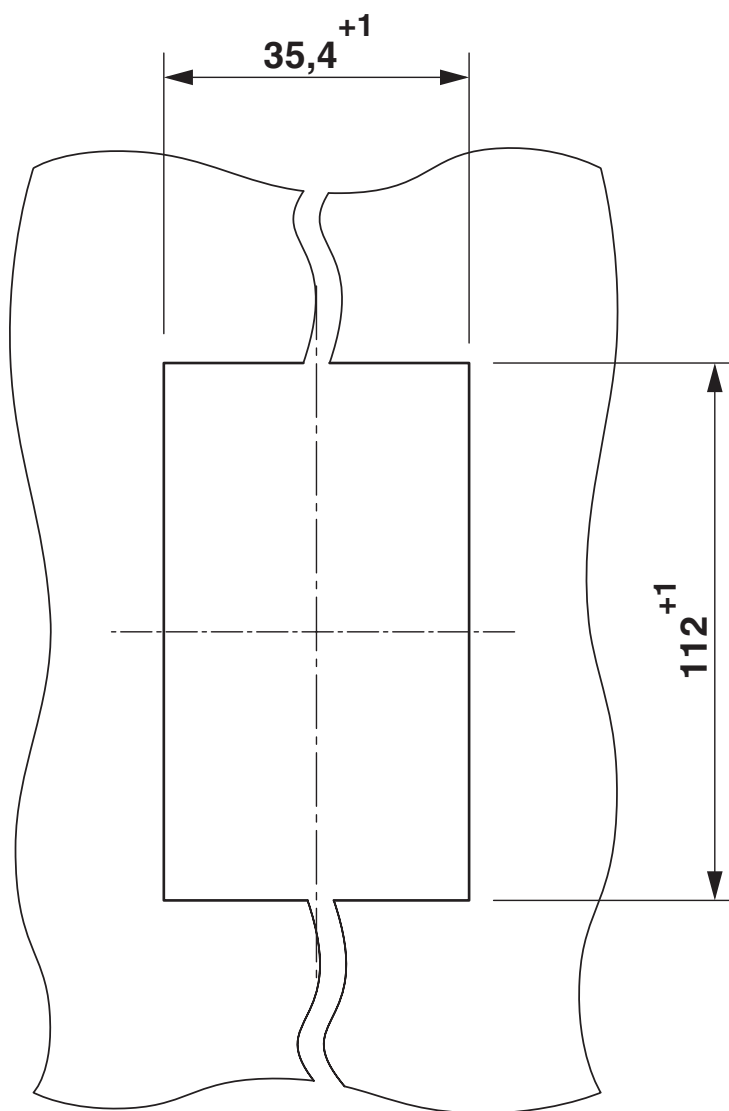


3270395

<https://www.phoenixcontact.com/us/products/3270395>

Drawings

Dimensional drawing



Panel cutout

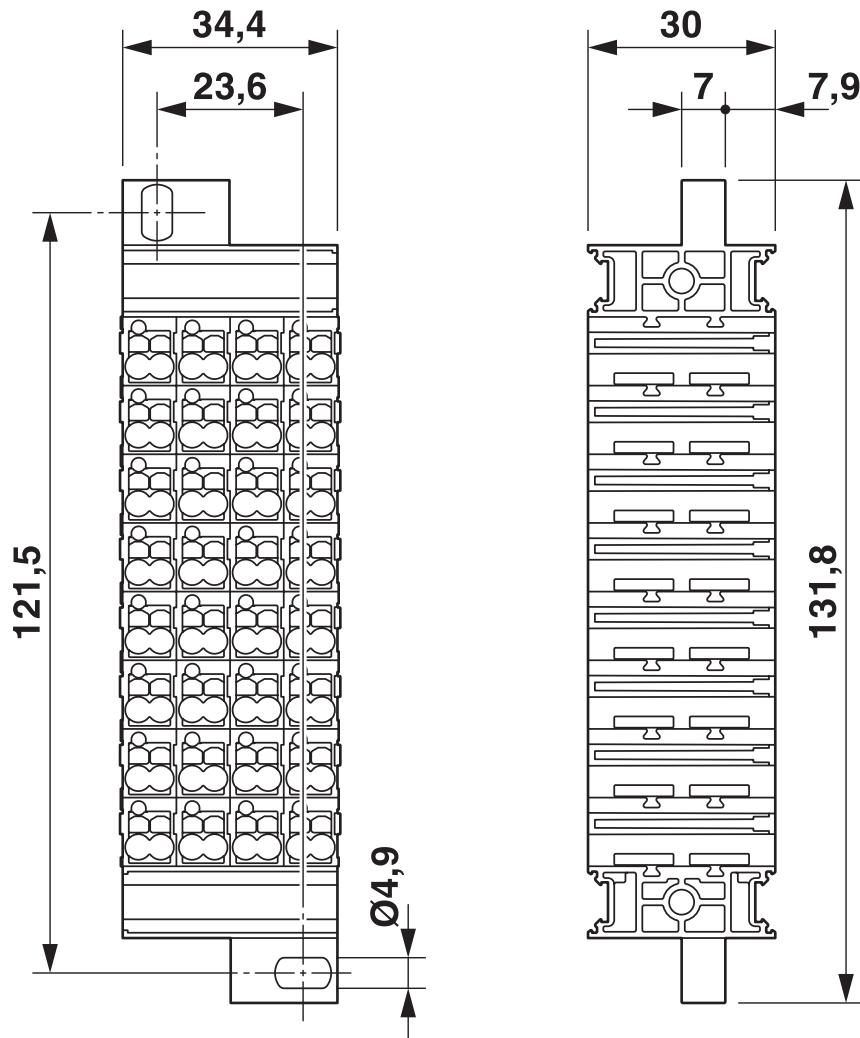
PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Dimensional drawing



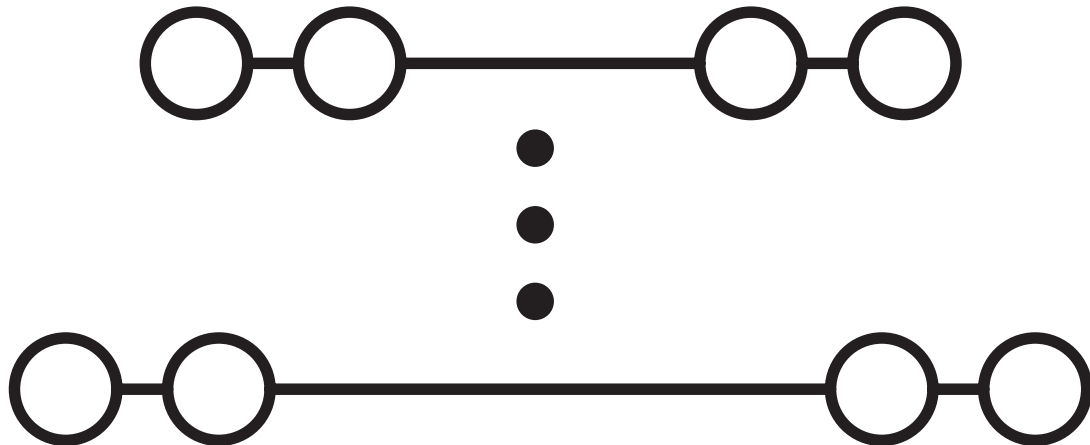
PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Circuit diagram



PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3270395>



EAC

Approval ID: RU C-DE.BL08.B.00682



EAC

Approval ID: KZ7500651131219505

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27250106 |
| ECLASS-15.0 | 27250106 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000897 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

PTMC 1,5/32-2H VDE0815 19Z - Marshalling patchboard



3270395

<https://www.phoenixcontact.com/us/products/3270395>

Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com