

Connector - FC 4-PCB/10 - 3208736

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PCB header, 10-pos.

The figure shows a version of the article

Key Commercial Data

| | |
|------------------------|----------|
| Packing unit | 1 STK |
| Minimum order quantity | 10 STK |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

Environmental Product Compliance

| | |
|------------|--|
| China RoHS | No hazardous substances above threshold values |
|------------|--|

General

| | |
|--|-------------------|
| Number of positions | 10 |
| Number of levels | 1 |
| Number of connections | 10 |
| Potentials | 10 |
| Nominal cross section | 4 mm ² |
| Color | gray |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 4 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |

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Technical data

General

| | |
|---|--|
| Insulating material group | I |
| Ambient temperature (operation) | -50 °C ... 100 °C (see derating curve) |
| Ambient temperature (assembly) | -40 °C ... 100 °C |
| Maximum load current | 30 A |
| Nominal current I _N | 15 A |
| Nominal voltage U _N | 320 V |
| Open side panel | No |
| Insertion/withdrawal cycles mechanical | 100 |
| Result of thermal test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Oscillation, broadband noise test result | Test passed |
| Test specification, oscillation, broadband noise | following DIN EN 60255-21-1:1996-05 |
| Test frequency | 10 - 150 Hz |
| Acceleration | 1g (84.2 - 150 Hz) |
| Test directions | X-, Y- and Z-axis |
| Shock test result | Test passed |
| Test specification, shock test | following DIN EN 60255-21-1:1996-05 |
| Shock form | Half-sine |
| Acceleration | 30g |
| Shock duration | 11 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| 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 |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 28 MJ/kg |
| 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 |

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Technical data

General

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|--|-------------|
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |
|--|-------------|

Dimensions

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|--------|---------|
| Width | 97.5 mm |
| Length | 29.1 mm |
| Height | 34.3 mm |
| Pitch | 6.1 mm |

Connection data

| | |
|--|------------------------------------|
| Connection method | Spade connection/solder connection |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG max. | 14 |
| Conductor cross section flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 2.5 mm ² |
| Min. AWG conductor cross section, flexible | 20 |
| Max. AWG conductor cross section, flexible | 14 |

Standards and Regulations

| | |
|--|-----------|
| Connection in acc. with standard | IEC 61984 |
| Flammability rating according to UL 94 | V0 |

Drawings

Circuit diagram



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141111 |
| eCl@ss 4.1 | 27141111 |
| eCl@ss 5.0 | 27141133 |
| eCl@ss 5.1 | 27141133 |
| eCl@ss 6.0 | 27141133 |
| eCl@ss 7.0 | 27141133 |
| eCl@ss 8.0 | 27141120 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 9.0 | 27141120 |
|------------|----------|

ETIM

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|----------|----------|
| ETIM 3.0 | EC000886 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30211827 |
| UNSPSC 7.0901 | 39121424 |
| UNSPSC 11 | 39121424 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121424 |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

| |
|-------------------|
| EAC EAC-Zulassung |
|-------------------|

Accessories

Accessories

Coding element

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

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Accessories

Coding star - PC - 3040588



Coding star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red

Connector

Connector - C-SCFI 1,5/6,3X0,8 - 3240052



Slip-on sleeve, red, 0.5 - 1.5 mm², 6.3 x 0.8

Connector - C-SCFI 2,5/6,3X0,8 - 3240055



Slip-on sleeve, blue, 1.5 - 2.5 mm², 6.3 x 0.8

Connector - C-SCFI 6/6,3X0,8 - 3240056



Slip-on sleeve, yellow, 4 - 6 mm², 6.3 x 0.8

Connector - C-SCFFI 1,5/6,3X0,8 - 3240538



Slip-on sleeve, fully isolated, red, 0.5 - 1.5 mm², for plug 6.3 x 0.8 mm

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Accessories

Connector - C-SCFFI 2,5/6,3X0,8 - 3240547



Slip-on sleeve, fully isolated, blue, 1.5 - 2.5 mm², for plug 6.3 x 0.8 mm

Connector - C-SCFFI 6/6,3X0,8 - 3240541



Slip-on sleeve, fully insulated, yellow, 4 - 6 mm², for 6.3 x 0.8 mm plugs

Labeled terminal marker

Zack Marker strip, flat - ZBF 6 CUS - 0825027



Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Marker for terminal blocks - UC-TMF 6 CUS - 0824646



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 6 CUS - 0829665



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.4 x 4.7 mm

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Accessories

Zack Marker strip, flat - ZBF 6,LGS:FORTL.ZAHLEN - 0808749



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Zack Marker strip, flat - ZBF 6,QR:FORTL.ZAHLEN - 0808765



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Zack Marker strip, flat - ZBF 6,LGS:GERADE ZAHLEN - 0810834



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Zack Marker strip, flat - ZBF 6,LGS:UNGERADE ZAHLEN - 0810876



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Terminal marking

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

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Accessories

Marker for terminal blocks - UC-TMF 6 - 0818140



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 6 - 0828746



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, THERMOMARK PRIME, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.4 x 4.7 mm

Additional products

Short-circuit connector - BP 4-5CT - 3208733



Plug for five current transformers, each with leading transformer short circuit

Plug - BP 4-5VT - 3208734



Plug for five voltage transducers

Plug - BP 4-1CT/4VT - 3208735



Plug for four voltage transducers and one current transformer

