


STS 2,5-TG

Order No.: 3037009




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3037009>

Component terminal block, Connection type: Spring-cage connection, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Nominal current: 20 A, Nominal voltage: 400 V, Length: 51 mm, Width: 5.2 mm, Color: gray, Assembly: NS 35/7.5, NS 35/15

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  |
| sales group | A641 |
| Pack | 50 pcs. |
| Customs tariff | 85369010 |
| Catalog page information | Page 220 (CL1-2011) |

Product notes

WEEE/RoHS-compliant since: 01/01/2003



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| Technical data | |
|-----------------------|------|
| General | |
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |

| | |
|------------------------------------|----|
| Insulating material | PA |
| Inflammability class acc. to UL 94 | V0 |

Dimensions

| | |
|------------------|---------|
| Width | 5.2 mm |
| Length | 51 mm |
| Height NS 35/7.5 | 43 mm |
| Height NS 35/15 | 50.5 mm |

Technical data

| | |
|----------------------------------|---|
| Maximum load current | 20 A (with 4 mm ² conductor cross section) |
| Rated surge voltage | 6 kV |
| Pollution degree | 3 |
| Surge voltage category | III |
| Insulating material group | I |
| Connection in acc. with standard | IEC 60947-7-1 |
| Nominal current I _N | 20 A (current is determined by the connector used) |
| Nominal voltage U _N | 400 V (voltage is determined by the connector used) |

Connection data

| | |
|---|------------------------|
| Conductor cross section solid min. | 0.08 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section stranded min. | 0.08 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 28 |
| Conductor cross section AWG/kcmil max | 12 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.14 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.14 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.5 mm ² |
| Connection method | Spring-cage connection |
| Stripping length | 10 mm |
| Internal cylindrical gage | A3 |

Certificates / Approvals



Certification

ABS, BV, CSA, CUL, DNV, GL, GOST, KR, LR, NK, UL

Accessories

| Item | Designation | Description |
|-----------------|--------------|---|
| Assembly | | |
| 3031762 | D-ST5 2,5 | End cover, Length: 51 mm, Width: 2.2 mm, Height: 43 mm, Color: gray |
| Bridges | | |
| 3030161 | FBS 2-5 | Plug-in bridge, Number of positions: 2, Color: red |
| 3030174 | FBS 3-5 | Plug-in bridge, Number of positions: 3, Color: red |
| 3030187 | FBS 4-5 | Plug-in bridge, Number of positions: 4, Color: red |
| 3030190 | FBS 5-5 | Plug-in bridge, Number of positions: 5, Color: red |
| 3030213 | FBS 10-5 | Plug-in bridge, Number of positions: 10, Color: red |
| 3030226 | FBS 20-5 | Plug-in bridge, Number of positions: 20, Color: red |
| 3038930 | FBS 50-5 | Plug-in bridge, Number of positions: 50, Color: red |
| Marking | | |
| 0818108 | UC-TM 5 | UniCard materials for labeling terminal blocks with a marker groove,96-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER, color: white |
| 0824581 | UC-TM 5 CUS | UniCard sheets, for labeling terminal blocks with a zack marker strip groove, can be printed as per customer requirements |
| 0818153 | UC-TMF 5 | UniCard materials for labeling terminal blocks using a flat marker groove, 96-section, can be labeled with BLUEMARK and CMS-P1-PLOTTER, color: white |
| 0824638 | UC-TMF 5 CUS | UniCard sheets, for labeling terminal blocks with a flat zack marker sheet groove, can be printed as per customer requirements |
| 0828734 | UCT-TM 5 | UniCard materials for thermal transfer printer, for labeling terminal blocks with a marker groove, 72-section, can be labeled with THERMOMARK CARD and BLUEMARK LED, color: white |
| 0829595 | UCT-TM 5 CUS | Terminal block marking, can be labeled as per customer specifications |

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| 0828744 | UCT-TMF 5 | UniCard materials for thermal transfer printer, for labeling terminal blocks with a horizontal marker groove, 72-section, can be labeled with THERMOMARK CARD and BLUEMARK LED, color: white |
| 0829658 | UCT-TMF 5 CUS | Terminal block marking, can be labeled as per customer specifications |
| 3030941 | WST 2,5 | Warning cover, 5-pos., for terminal width: 5.2 mm |
| 1050004 | ZB 5 :UNBEDRUCKT | Zack strip, unprinted, 10-section, for individual labeling with M-PEN, ZB-T or CMS system, pack is sufficient for 100 terminal blocks, for a terminal width of 5.2 mm, color: White |
| 0824962 | ZB 5 CUS | Terminal block marking, can be labeled as per customer specifications |
| 0825025 | ZBF 5 CUS | Terminal block marking, can be labeled as per customer specifications |
| 0808642 | ZBF 5:UNBEDRUCKT | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white |

Plug/Adapter

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|---------|-------------|--|
| 3002843 | ISH 2,5/0,2 | Insulation stop sleeve, Color: white |
| 3002856 | ISH 2,5/0,5 | Insulation stop sleeve, Color: gray |
| 3002869 | ISH 2,5/1,0 | Insulation stop sleeve, Color: black |
| 3036783 | P-DI | Isolating connectors, Length: 10.5 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange |
| 3030925 | PAI-4 | Test adapter, Color: gray |
| 3030983 | PS-5 | Test adapter, Color: red |

Tools

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|---------|---------------|---|
| 1204517 | SZF 1-0,6X3,5 | Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip |
|---------|---------------|---|

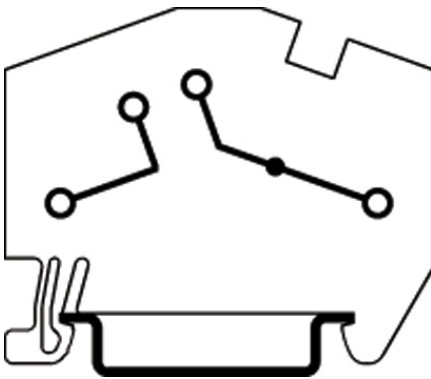
Additional products

| Item | Designation | Description |
|---------------------|-----------------|---|
| Assembly | | |
| 3036796 | P-CO | Component connector, Nominal current: 6 A, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray |
| Plug/Adapter | | |
| 3032460 | P-CO 1N4007/L-R | Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray |
| 3032457 | P-CO 1N4007/R-L | Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray |

| | | |
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| 3036783 | P-DI | Isolating connectors, Length: 10.5 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange |
| 3038956 | P-FIX | Feed-through connector, Length: 10.5 mm, Width: 4 mm, Color: gray |
| 3036835 | P-FU 5X20 LA 250 | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black |
| 3036819 | P-FU 5X20 LED 24 | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black |
| 3036822 | P-FU 5X20 LED 60 | Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black |

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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