

symbolic image

DATA SHEET
fuse-switch-disconnector
Tytan II Do-16-3/S
without fuse
 Article number 09980395



[Internetlink](#)



Function

Fuse-switch-disconnectors combine the fuse protection of system parts with switching capability under load as well as when in overload. Tytan II series devices are main fuse switch-disconnectors for Do1 and Do2 fuses. Simultaneous isolation of all phases is ensured by the screwcap-less plug-in technology. In contrast to the earlier screwcap technology, in which perfect contact could not be guaranteed, the mechanics of the series prevent the formation of high transitional resistances and therefore minimise thermal dissipation power. Disconnectors in this design are supplied with coloured fitted cartridges according to the specified rated current.

Features

low current heat losses, suitable for fuses Do1 and Do2, finger and back-of-hand proof, large clamping area

Mounting

quick fastening to mounting rail, any installation position

Applications

The components are suitable for use in power supplies to residential and purpose-built buildings as well as industrial facilities.

Notes

All variants are supplied without fuses. These can be obtained separately.

Accessories

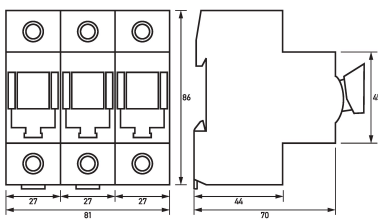
fuse plug sets DSE, restart locks WES, wiring components Do busbar can be cut to length

Technical Data

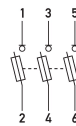
| Technical Data | Tytan II Do-16-3/S |
|-------------------------------------|---|
| Series | Tytan |
| Number of poles | 3 |
| Handling | plug-type technology without screw caps, similar to NH technology |
| Suitable for fuses | Do1: 1 A*, 2 A, 4 A, 6 A, 10 A, 16 A (* - not standardised) |
| | load circuit |
| Specification | switching contact |
| Rated voltage (AC) | 400 V |
| Rated voltage (DC) | max. 220 V |
| Rated current (AC) | 16 A |
| Rated short-circuit current | 50 kA |
| max. total rated switching capacity | 50 kA |
| Rated insulation voltage | 800 V |
| Rated impulse withstand voltage | 6 kV |
| Allowed utilization category | AC-22b, DC-21b |
| Overtoltage class | IV |
| | screw-type terminal top, bottom (load circuit) |
| Protection against direct contact | finger and back-of-hand proof |

| Technical Data | Tytan II Do-16-3/S |
|---|---|
| Cross section solid | 1-wire: 1.5 mm ² ... 35 mm ² |
| Connecting capacity flexible | 1-wire: 1.5 mm ² ... 35 mm ² ; 2-wire: 1.5 mm ² ... 16 mm ² |
| Cross section flexible with ferrule | 6 mm ² ... 35 mm ² |
| Cross section stranded | 1-wire: 1.5 mm ² ... 35 mm ² |
| Tightening torque | max. 4 Nm |
| | Do2 (fuse mounting) |
| | General data |
| Recovery time | 100 ms |
| Operating position | optional |
| Mechanical endurance | min. 10000 switching cycles |
| Electrical endurance | min. 1500 switching cycles |
| Storage temperature | -25 °C ... 100 °C |
| Ambient temperature | -25 °C ... 60 °C |
| Housing type | distribution board housing |
| Mounting type | Mounting rail (35 mm) |
| Housing material | thermoplastic |
| Protection class | IP20 (installed: IP40) |
| sealable | true |
| Width | 81 mm |
| Height | 86 mm |
| Depth | 70 mm |
| Width (modules) | 4-5 |
| Design requirements/Standards | EN 60947-3 |
| Fire class/creep resistance | Vo, glow wire test g60° / CTI 600 |
| Degree of pollution according to EN 60664 | 3 |

Dimensions



Wiring example



Wiring diagram

Dimensional drawing Group view