

Test disconnect terminal block - SGSK 6 - 3029965

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Test disconnect terminal block, With slide, Connection type: Spring-cage connection, Cross section: 0.2 mm² - 10 mm², AWG: 24 - 8, Nominal current: 41 A, Nominal voltage: 400 V, Length: 113 mm, Width: 8.2 mm, Color: gray, Assembly: NS 35/7,5, NS 35/15

Product Features

- Easy and clear operation



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| Weight per Piece (excluding packing) | 35.11 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Poland |

Technical data

General

| | |
|---|--|
| Number of levels | 1 |
| Number of connections | 2 |
| Color | gray |
| Insulating material | PA |
| Inflammability class according to UL 94 | V0 |
| Maximum load current | 57 A (with 10 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 |
| Maximum load current (lower level) | 45 A (with 10 mm ² conductor cross section) |

Test disconnect terminal block - SGSK 6 - 3029965

Technical data

General

| | |
|---|--|
| Nominal current I_N (lower level) | 41 A |
| Nominal voltage U_N | 400 V |
| Maximum load current (upper level) | 45 A (with 10 mm ² conductor cross section) |
| Open side panel | ja |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Finger protection | guaranteed |
| Surge voltage test setpoint | 7.3 kV |
| Result of surge voltage test | Test passed |
| Power frequency withstand voltage setpoint | 1.89 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Bending test rotation speed | 10 rpm |
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 1 mm ² / 0.4 kg |
| | 6 mm ² / 1.4 kg |
| | 10 mm ² / 2 kg |
| Result of bending test | Test passed |
| Conductor cross section tensile test | 1 mm ² |
| Tractive force setpoint | 35 N |
| Conductor cross section tensile test | 6 mm ² |
| Tractive force setpoint | 80 N |
| Conductor cross section tensile test | 10 mm ² |
| Tractive force setpoint | 90 N |
| Tensile test result | Test passed |
| Tight fit on carrier | NS 35 |
| Setpoint | 5 N |
| Result of tight fit test | Test passed |
| Result of voltage drop test | Test passed |
| Temperature-rise test | Test passed |
| Conductor cross section short circuit testing | 6 mm ² |
| Short-time current | 0.72 kA |
| Conductor cross section short circuit testing | 10 mm ² |
| Short-time current | 1.2 kA |
| Short circuit stability result | Test passed |
| Ageing test for screwless modular terminal block temperature cycles | 192 |

Test disconnect terminal block - SGSK 6 - 3029965

Technical data

General

| | |
|---|---|
| Result of aging test | Test passed |
| Proof of thermal characteristics (needle flame) effective duration | 30 s |
| Result of thermal test | Test passed |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2008-03 |
| Test spectrum | Service life test category 1, class B, body mounted |
| Test frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ |
| ASD level | 0.02 g^2/Hz |
| Acceleration | 0.8g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Oscillation, broadband noise test result | Test passed |
| Test specification, shock test | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock form | Half-sine |
| Acceleration | 5 g |
| Shock duration | 30 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Shock test result | Test passed |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 120 °C |

Dimensions

| | |
|------------------|---------|
| Width | 8.2 mm |
| Length | 113 mm |
| Height NS 35/7,5 | 49 mm |
| Height NS 35/15 | 56.5 mm |

Connection data

| | |
|--|------------------------|
| Connection in acc. with standard | IEC 60947-7-1 |
| Connection method | Spring-cage connection |
| Conductor cross section solid min. | 0.2 mm^2 |
| Conductor cross section solid max. | 10 mm^2 |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 8 |
| Conductor cross section stranded min. | 0.2 mm^2 |
| Conductor cross section stranded max. | 6 mm^2 |
| Min. AWG conductor cross section, stranded | 24 |
| Max. AWG conductor cross section, stranded | 10 |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.25 mm^2 |

Test disconnect terminal block - SGSK 6 - 3029965

Technical data

Connection data

| | |
|---|----------------------|
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 6 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 6 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 1.5 mm ² |
| Stripping length | 12 mm |
| Internal cylindrical gage | A4 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141126 |
| eCl@ss 4.1 | 27141126 |
| eCl@ss 5.0 | 27141127 |
| eCl@ss 5.1 | 27141127 |
| eCl@ss 6.0 | 27141127 |
| eCl@ss 7.0 | 27141127 |
| eCl@ss 8.0 | 27141126 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000902 |
| ETIM 3.0 | EC000902 |
| ETIM 4.0 | EC000902 |
| ETIM 5.0 | EC000902 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |
| UNSPSC 13.2 | 39121410 |

Approvals

Approvals

Test disconnect terminal block - SGSK 6 - 3029965

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 18-8 | 18-8 |
| Nominal current I _N | 40 A | 40 A |
| Nominal voltage U _N | 300 V | 300 V |

cUL Recognized

| | B | C |
|--------------------------------|-------|-------|
| mm ² /AWG/kcmil | 18-8 | 18-8 |
| Nominal current I _N | 40 A | 40 A |
| Nominal voltage U _N | 300 V | 300 V |

GOST

GOST

cULus Recognized

Test disconnect terminal block - SGSK 6 - 3029965

Drawings

Circuit diagram

