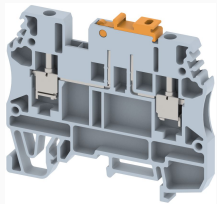



DUTKD2.5 - Product Details

General Information

| | |
|-------------------|----------------------------------|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Knife Disconnect Terminal Blocks |
| Connection Method | Screw Connection |

Product Data

| | |
|-------------------|--|
| Product Name | DUTKD2.5 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Knife Disconnect Terminal Block - Screw Connection |
| Full Description | Terminal Type - DUTKD2.5 , Knife Disconnect Terminal Block , nominal voltage: 1000 V, nominal current: 24 A, connection method: Screw connection, number of connections: 2, cross section: 0.5 mm ² - 4 mm ² , width: 6 mm , height: 56 mm , length : 65 mm , mounting type: TS 35/7.5, TS 35/15 , TS 32 |
| Approvals | CE |
| Standard Colour | Gray |
| Colour Variants | Black , Blue , Green , Khakhi , Red , Yellow , |
| Your Advantages | Convenient separation of circuits using lever-type disconnect knife. Safe operation since the disconnect lever is latched into the end positions. |

Key Commercial Data

| | |
|--------------------------------------|---------|
| Standard Weight | 1.16 Kg |
| Weight per Piece (excluding packing) | 11.1 g |
| Packing Unit | 100 pc |
| Minimum Order Quantity | 100 pc |
| Country Of Origin | India |

Technical Data - General

| | |
|-----------------------|---|
| Number of levels | 1 |
| Number of connections | 2 |
| Potentials | 1 |

| | |
|--|--|
| Nominal cross section | 2.5 mm ² |
| Insulating Material | Polyamide 6 , 6 |
| Clamping Material | CRCA |
| Flammability rating acc. to UL 94 | V2 (V0 - on customer demand) |
| Area of application | |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Maximum power dissipation for nominal condition | 0.77 W |
| Nominal Current I _N | 24 A |
| Nominal Voltage U _N | 1000 V |
| Open side panel | Yes |
| Back of the hand protection | Guaranteed |
| Finger Protection | Guaranteed |
| Result Of Surge Voltage Test | Test passed |
| Surge Voltage Test Setpoint | 9.8 kV |
| Result of power-frequency withstand voltage test | Test passed |
| Power frequency withstand voltage setpoint | 2.2 kV |
| Result of the test for mechanical stability of terminal points | Test passed |
| Result of bending test | Test passed |
| Bending test rotation speed | 9 |
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.5 mm ² / 0.3 kg , 2.5 mm ² / 0.7 kg , 4 mm ² / 0.9 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 0.5 mm ² |
| Tractive force setpoint | 20 N |
| Conductor cross section tensile test | 2.5 mm ² |
| Tractive force setpoint | 50 N |
| Conductor cross section tensile test | 4 mm ² |
| Tractive force setpoint | 60 N |
| Result of tight fit on support | Test passed |
| Tight fit on carrier | TS 35/7.5, TS 35/15 , TS 32 |
| Setpoint | 1 |
| Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=6.2 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |

| | |
|--|---------------------|
| Conductor cross section short circuit testing | 2.5 mm ² |
| Short-time current | 0.3 kA |
| Relative insulation material temperature index | 130 °C |
| Temperature index of insulation material | 130 °C |
| Static insulating material application in cold | -40 °C |
| Oxygen index | 28 % |
| Surface flammability | Passed |
| Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed |


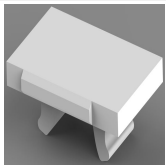

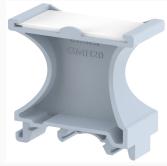


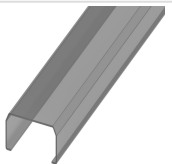

Dimensions

| | | |
|------------------|---------|-----------|
| Width | 6 mm | 0.24 inch |
| End cover width | 1.5 mm | 0.06 inch |
| Length | 65 mm | 2.56 inch |
| Height | 56 mm | 2.2 inch |
| Height NS 35/7,5 | 57.1 mm | 2.25 inch |
| Height NS 35/15 | 64.3 mm | 2.53 inch |

Connection Data

| | |
|---|---------------------|
| Screw thread | M2.6 |
| Stripping length | 8 mm |
| Tightening torque, min | 0.4 Nm |
| Tightening torque, max | 0.44 Nm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section solid min | 0.5 mm ² |
| Conductor cross section solid max | 4 mm ² |
| Conductor cross section flexible min | 0.5 mm ² |
| Conductor cross section flexible max | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max | 2.5 mm ² |
| Internal cylindrical Gauge | A3 |

Product Accessories

| | | | | |
|---|-------------------------------|----------------------------------|-------------------------------------|---|
| End Cover | | | | |
| DUTKD4EP | Height Width Length | 38.20 mm 1.50 mm 62.00 mm | 1.50 inch 0.06 inch 2.44 inch |  |
| Marker For Terminal Blocks | | | | |
| LABEL KN5 | Width | 5.00 mm | 0.20 inch |  |
| Marker carriers | | | | |
| GMH 10 | Height Width Length | 51.00 mm 10.00 mm 41.50 mm | 2.01 inch 0.39 inch 1.63 inch |  |
| GMH 20 | Height Width Length | 51.00 mm 20.00 mm 41.50 mm | 2.01 inch 0.79 inch 1.63 inch |  |
| Plug-in Bridge/Jumper | | | | |
| SLPU5 (2W , 3W , 4W , 5W , 6W , 7W , 10W) | Pitch | 5.00 mm | 0.20 inch |  |
| Partition Plate | | | | |
| KBZF | Height Width Length | 65.00 mm 1.50 mm 65.00 mm | 2.56 inch 0.06 inch 2.56 inch |  |
| Cover Profile | | | | |
| PCK3 | Height Width Thickness | 28.00 mm 58.35 mm 1.00 mm | 1.10 inch 2.30 inch 0.04 inch |  |
| Cover Profile Carrier | | | | |
| UHDD | Height Thickness Length | 74.50 mm 1.50 mm 55.82 mm | 2.93 inch 0.06 inch 2.20 inch |  |

| End Clamp | | | | |
|-----------|---------------------------|----------------------------------|-------------------------------------|---|
| DCKN | Height Width Length | 33.00 mm 6.00 mm 43.50 mm | 1.30 inch 0.24 inch 1.71 inch |  |
| DCKN10 | Height Width Length | 33.00 mm 10.00 mm 43.50 mm | 1.30 inch 0.39 inch 1.71 inch |  |
| SCKN | Height Width Length | 35.50 mm 8.00 mm 50.60 mm | 1.40 inch 0.31 inch 1.99 inch |  |
| SCUN | Height Width Length | 35.50 mm 9.50 mm 50.60 mm | 1.40 inch 0.37 inch 1.99 inch |  |

| DIN Rail Perforated | | | | |
|---------------------|------------------------------|---------------------------------|-------------------------------------|---|
| CHKDS | Height Width Thickness | 15.00 mm 35.00 mm 1.50 mm | 0.59 inch 1.38 inch 0.06 inch |  |
| CHKS | Height Width Thickness | 7.50 mm 35.00 mm 1.00 mm | 0.30 inch 1.38 inch 0.04 inch |  |

| DIN Rail, Unperforated | | | | |
|------------------------|------------------------------|---------------------------------|-------------------------------------|---|
| CHK | Height Width Thickness | 7.50 mm 35.00 mm 1.00 mm | 0.30 inch 1.38 inch 0.04 inch |  |
| CHKD | Height Width Thickness | 15.00 mm 35.00 mm 1.00 mm | 0.59 inch 1.38 inch 0.04 inch |  |

| End Cap | | | | |
|-----------|---------------------------|---------------------------------|-------------------------------------|---|
| CHKENDCAP | Height Width Length | 14.00 mm 9.00 mm 41.50 mm | 0.55 inch 0.35 inch 1.63 inch |  |