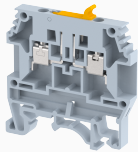
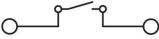



## KULTD4 - Product Details

### General Information

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

### Product Data

|                   |  |
|-------------------|--|
| Product Name      | KULTD4   |
| Product Image     |   |
| Line Diagram      |   |
| Short Description | Knife Disconnect Terminal Block - Screw Connection   |
| Full Description  | Terminal Type - KULTD4 , Knife Disconnect Terminal Block, nominal voltage: 800 V, nominal current: 20 A, connection method: Screw connection, number of connections: 2, cross section: 0.5 mm <sup>2</sup> - 4 mm <sup>2</sup> , AWG: 24 - 10, width: 6 mm , height: 55.8 mm , length : 52 mm , mounting type: NS 35/7.5, NS 35/15 , NS 32/15. |
| Approvals         |   |
| Standard Colour   | Gray   |
| Colour Variants   | Black , Blue , Green , Red , Yellow , Khakhi ,   |

### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Standard Weight                      | 1.28 Kg  |
| Weight per Piece (excluding packing) | 12.6 g   |
| Packing Unit                         | 100 pc   |
| Minimum Order Quantity               | 100 pc   |
| GTIN Number                          | 85389000 |
| Country Of Origin                    | INDIA    |

### Technical Data - General

|                  |   |
|------------------|---|
| Number of levels | 1 |
|------------------|---|

|  |   |
|--|---|
| Number of connections  | 2   |
| Potentials   | 1   |
| Nominal cross section  | 4 mm <sup>2</sup>   |
| Insulating Material  | Polyamide 6 , 6   |
| Clamping Material  | CRCA  |
| Flammability rating acc. to UL 94                              | V0/V2   |
| Area of application  |   |
| Rated surge voltage  | 8 kV  |
| Degree of pollution  | 3   |
| Overvoltage category   | III   |
| Maximum power dissipation for nominal condition                | 1.28 W  |
| Nominal Current I <sub>N</sub>                                 | 20 A  |
| Nominal Voltage U <sub>N</sub>                                 | 800 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 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 <sup>2</sup> / 0.3 kg , 4 mm <sup>2</sup> / 0.9 kg |
| Tensile test result  | Test passed   |
| Conductor cross section tensile test                           | 0.5 mm <sup>2</sup>                                       |
| Tractive force setpoint  | 20 N  |
| Conductor cross section tensile test                           | 4 mm <sup>2</sup>   |
| Tractive force setpoint  | 60 N  |
| Result of tight fit on support                                 | Test passed   |
| Tight fit on carrier   | NS 32 / NS 35   |
| 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 | 4 mm <sup>2</sup> |
| Short-time current                            | 0.48 kA           |

## Dimensions

|                  |         |           |
|------------------|---------|-----------|
| Width            | 6 mm    | 0.24 inch |
| End cover width  | 1.5 mm  | 0.06 inch |
| Length           | 52 mm   | 2.05 inch |
| Height           | 55.8 mm | 2.2 inch  |
| Height NS 35/7,5 | 57 mm   | 2.24 inch |
| Height NS 35/15  | 64.2 mm | 2.53 inch |
| Height NS 32/15  | 61.4 mm | 2.42 inch |

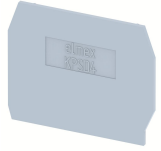
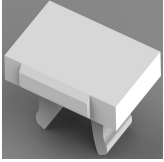
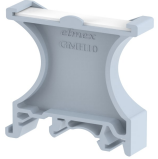

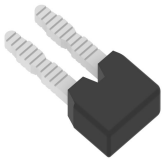
## Connection Data


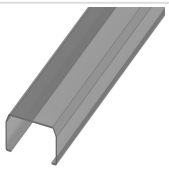

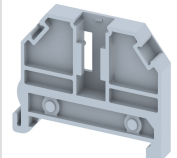
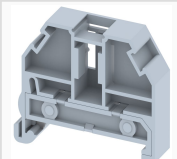

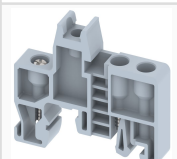


|   |                     |
|---|---------------------|
| Screw thread  | M3                  |
| Stripping length  | 8 mm                |
| Tightening torque, min  | 0.6 Nm              |
| Tightening torque, max  | 0.66 Nm             |
| Connection in acc. with standard  | IEC 60947-7-1       |
| Conductor cross section solid min   | 0.5 mm <sup>2</sup> |
| Conductor cross section solid max   | 4 mm <sup>2</sup>   |
| Conductor cross section AWG min, Solid                                    | 24                  |
| Conductor cross section AWG max, Solid                                    | 10                  |
| Conductor cross section flexible min                                      | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible max                                      | 4 mm <sup>2</sup>   |
| Min. AWG conductor cross section, flexible                                | 24                  |
| Max. AWG conductor cross section, flexible                                | 10                  |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max | 4 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min    | 0.5 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max    | 4 mm <sup>2</sup>   |
| Internal cylindrical Gauge  | A3                  |

## Approval Details

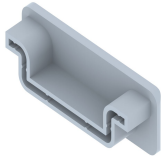
|                               |              |
|-------------------------------|--------------|
| UL Standard                   | UL 1059      |
| B - UL Nominal Voltage $U_N$  | 600 V        |
| B - UL Nominal Current $I_N$  | 15 A         |
| B - UL Wire Min               | 24 AWG       |
| B - UL Wire Max               | 10 AWG       |
| CSA Standard                  | C22.2 No.158 |
| B - CSA Nominal Voltage $U_N$ | 600 V        |
| B - CSA Nominal Current $I_N$ | 15 A         |
| B - CSA Wire Min              | 24 AWG       |
| B - CSA Wire Max              | 10 AWG       |

## Product Accessories

|                            |                           |                                  |                                     |   |
|----------------------------|---------------------------|----------------------------------|-------------------------------------|---|
| End Cover                  |                           |                                  |                                     |   |
| KPSD4                      | Height<br>Width<br>Length | 41.30 mm<br>1.50 mm<br>52.00 mm  | 1.63 inch<br>0.06 inch<br>2.05 inch |   |
| Marker For Terminal Blocks |                           |                                  |                                     |   |
| LABEL KN5.5                | Width                     | 6.00 mm                          | 0.24 inch                           |  |
| Marker carriers            |                           |                                  |                                     |   |
| GMH 10                     | Height<br>Width<br>Length | 51.00 mm<br>10.00 mm<br>41.50 mm | 2.01 inch<br>0.39 inch<br>1.63 inch |  |
| GMH 20                     | Height<br>Width<br>Length | 51.00 mm<br>20.00 mm<br>41.50 mm | 2.01 inch<br>0.79 inch<br>1.63 inch |  |
| Insertion Bridge           |                           |                                  |                                     |   |
| SLC4N                      | Pitch                     | 6.00 mm                          | 0.24 inch                           |  |

| Partition Plate       |                               |                                  |                                     |   |
|-----------------------|-------------------------------|----------------------------------|-------------------------------------|---|
| KBZF                  | Height<br>Width<br>Length     | 65.00 mm<br>1.50 mm<br>65.00 mm  | 2.56 inch<br>0.06 inch<br>2.56 inch |    |
| Cover Profile         |                               |                                  |                                     |   |
| PCK3                  | Height<br>Width<br>Thickness  | 28.00 mm<br>58.35 mm<br>1.00 mm  | 1.10 inch<br>2.30 inch<br>0.04 inch |    |
| Cover Profile Carrier |                               |                                  |                                     |   |
| UHDD                  | Height<br>Thickness<br>Length | 74.50 mm<br>1.50 mm<br>55.82 mm  | 2.93 inch<br>0.06 inch<br>2.20 inch |    |
| End Clamp             |                               |                                  |                                     |   |
| DCKN                  | Height<br>Width<br>Length     | 33.00 mm<br>6.00 mm<br>43.50 mm  | 1.30 inch<br>0.24 inch<br>1.71 inch |   |
| DCKN10                | Height<br>Width<br>Length     | 33.00 mm<br>10.00 mm<br>43.50 mm | 1.30 inch<br>0.39 inch<br>1.71 inch |  |
| SCKN                  | Height<br>Width<br>Length     | 35.50 mm<br>8.00 mm<br>50.60 mm  | 1.40 inch<br>0.31 inch<br>1.99 inch |  |
| SCUN                  | Height<br>Width<br>Length     | 35.50 mm<br>9.50 mm<br>50.60 mm  | 1.40 inch<br>0.37 inch<br>1.99 inch |  |
| DIN Rail Perforated   |                               |                                  |                                     |   |
| CHKDS                 | Height<br>Width<br>Thickness  | 15.00 mm<br>35.00 mm<br>1.50 mm  | 0.59 inch<br>1.38 inch<br>0.06 inch |  |
| CHKS                  | Height<br>Width<br>Thickness  | 7.50 mm<br>35.00 mm<br>1.00 mm   | 0.30 inch<br>1.38 inch<br>0.04 inch |  |

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

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