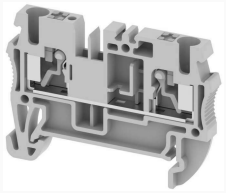
## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Feed Through Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PQ2.5 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Feed through terminal block - Push in Connection |
| Full Description | Terminal Type - PQ2.5 , Feed-through terminal block, nominal voltage: 1000 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 2, cross section: 0.08 mm² - 4 mm², width: 5 mm, length : 50.7 mm, height: 36 mm , mounting type: TS 35/7.5, TS 35/15 |
| Approvals | CE cUL |
| Standard Colour | Gray |
| Colour Variants | Black , Blue , Green , Khakhi , Red , Yellow , |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | 0.69 Kg |
| Weight per Piece (excluding packing) | 6.3 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | |
| Minimum Order Quantity | 100 pc |
| HSN Number | 85389000 |
| 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 | SS |
| 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 | NAV |
| Maximum load current | NAV | | |
| 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 RPM | Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.08 $mm^2$ / 0.2 kg , 2.5 $mm^2$ / 0.7 kg , 4 $mm^2$ / 0.9 kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 $mm^2$ | Tractive force setpoint | 10 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 |
| Setpoint | 1 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 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 | Conductor cross section short circuit testing | NAV |
| Short-time current | NAV | Result of thermal test | Test passed |

| | | | |
|---|---|---|---|
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAV |
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAV |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAV |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 5 mm | 0.2 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 50.7 mm | 2 inch |
| Height | 36 mm | 1.42 inch |
| Height with TS 35/7,5 | 36.9 mm | 1.45 inch |
| Height with TS 35/15 | 44.4 mm | 1.75 inch |
| Height with TS 32/15 | NAV | 0.00 inch |
| Height with TS 15 | NAV | 0.00 inch |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 8 to 10 mm |

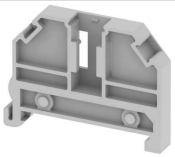
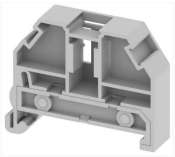
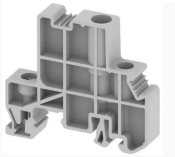
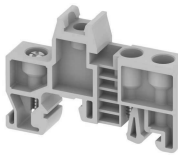
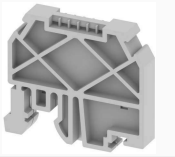
| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
|---|---|---|---|
| Connection in acc. with standard | IEC 60947-7-1 | Note | NAV |
| Conductor cross section solid min | 0.08 $mm^2$ | Conductor cross section solid max | 4 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 12 |
| Conductor cross section flexible min | 0.08 $mm^2$ | Conductor cross section flexible max | 2.5 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 2.5 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 2.5 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | NAV |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A3/B3 | | |

## Approval Details

| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 600 V | C - UL Nominal Voltage $U_N$ : 600 V |
| B - UL Nominal Current $I_N$ : 20 A | C - UL Nominal Current $I_N$ : 20 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : 24 AWG |
| B - UL Wire Max : 12 AWG | C - UL Wire Max : 12 AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 600 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : 20 A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 12 AWG | C - CSA Wire Max : AWG |

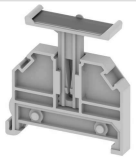
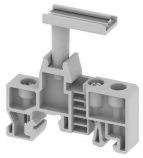
| | |
|---|---|
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

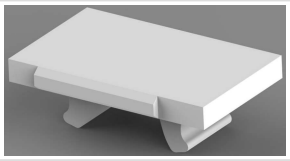
## Product Accessories

| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br><br>0.00 mm | 1.30 inch<br>0.24 inch<br><br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br><br>0.00 mm | 1.30 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br><br>0.00 mm | 1.40 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br><br>0.00 mm | 1.97 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  |
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch |  |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 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 | |

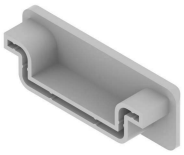
| DIN Rail, Unperforated | | | | |
|---|---|---|---|---|
| CHK | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |
| CHKD | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.00 mm | 0.59 inch<br>1.38 inch<br>0.04 inch | |

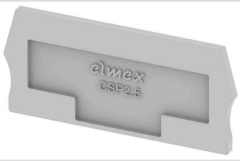
| Marker carriers | | | | |
|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  |
| SCUDDMLH | Length<br>Pitch | <br><br>0.00 mm<br>10.00 mm | <br><br>0.00 inch<br>0.39 inch | |

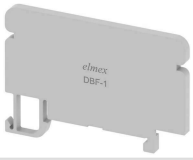
| Marker For Terminal Blocks | | | | |
|---|---|---|---|---|
| LABEL KN5 | Width | 5.00 mm | 0.20 inch |  |

| Plug-in Bridge/Jumper | | | | |
|---|---|---|---|---|
| SLPU5-2W | Height<br>Width<br>Pitch | 26.00 mm<br>9.15 mm<br><br>5.00 mm | 1.02 inch<br>0.36 inch<br><br>0.20 inch | |
| SLPU5-3W | Height<br>Width<br>Pitch | 26.00 mm<br>14.15 mm<br><br>5.00 mm | 1.02 inch<br>0.56 inch<br><br>0.20 inch | |

| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU5-10W | Height<br>Width<br>Pitch | 26.00 mm<br>49.15 mm<br><br>5.00 mm | 1.02 inch<br>1.94 inch<br><br>0.20 inch | | |
| SLPU5-4W | Height<br>Width<br>Pitch | 26.00 mm<br>19.15 mm<br><br>5.00 mm | 1.02 inch<br>0.75 inch<br><br>0.20 inch | | |
| SLPU5-5W | Height<br>Width<br>Pitch | 26.00 mm<br>24.15 mm<br><br>5.00 mm | 1.02 inch<br>0.95 inch<br><br>0.20 inch | | |
| SLPU5-6W | Height<br>Width<br>Pitch | 26.00 mm<br>29.15 mm<br><br>5.00 mm | 1.02 inch<br>1.15 inch<br><br>0.20 inch | | |
| SLPU5-7W | Height<br>Width<br>Pitch | 26.00 mm<br>34.15 mm<br><br>5.00 mm | 1.02 inch<br>1.34 inch<br><br>0.20 inch | | |

| End Cap | | | | | |
|---|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  | |

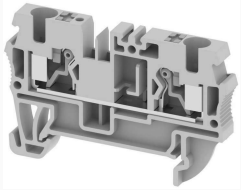
| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP2.5 | Height<br>Width<br>Length | 22.70 mm<br>2.00 mm<br><br>0.00 mm | 0.89 inch<br>0.08 inch<br><br>0.00 inch |  | |

| Partition Plate | | | | | |
|---|---|---|---|---|---|
| DBF-1 | Height<br>Width<br>Length | 31.40 mm<br>3.00 mm<br><br>0.00 mm | 1.24 inch<br>0.12 inch<br><br>0.00 inch |  | |

## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Feed Through Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PQ4 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Feed Through terminal block - Push in Connection |
| Full Description | Terminal Type - PQ 4, Feed-through terminal block, nominal voltage: 1000 V, nominal current: 32 A, connection method: Push in type, number of connections: 2, cross section: 0.08 mm² - 6 mm², width: 6 mm , length: 56.2mm , height : 36 mm , mounting type: TS 35/7.5, TS 35/15. |
| Approvals | CE |
| Standard Colour | Gray |
| Colour Variants | Black , Blue , Green , Khakhi , Red , Yellow , |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | NAV |
| Weight per Piece (excluding packing) | 8.84 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | |
| Minimum Order Quantity | 100 pc |
| HSN Number | 85389000 |
| Country Of Origin | INDIA |

## Technical Data - General

| | | | |
|---|---|---|---|
| Number of levels | 1 | Number of connections | 2 |
| Potentials | 1 | Nominal cross section | 4 $mm^2$ |
| Insulating Material | Polyamide 6 , 6 | Clamping Material | SS |
| 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 | 1.02 W |
| Maximum load current | NAV | | |
| Nominal Current $I_N$ | 32 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 RPM | Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.08 $mm^2$ / 0.2 kg , 4 $mm^2$ / 0.9 kg , 6 $mm^2$ / 1.4 kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 $mm^2$ | Tractive force setpoint | 10 N |
| Conductor cross section tensile test | 4 $mm^2$ | Tractive force setpoint | 60 N |
| Conductor cross section tensile test | 6 $mm^2$ | Tractive force setpoint | 80 N |
| Result of tight fit on support | Test passed | Tight fit on carrier | TS 35/7.5, TS 35/15 |
| Setpoint | 1 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 mV | Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed | Conductor cross section short circuit testing | 4 $mm^2$ |
| Short-time current | 0.48 kA | Conductor cross section short circuit testing | NAV |
| Short-time current | NAV | Result of thermal test | Test passed |

| | | | |
|---|---|---|---|
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAV |
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAV |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAV |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 6 mm | 0.24 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 56.2 mm | 2.21 inch |
| Height | 36 mm | 1.42 inch |
| Height with TS 35/7,5 | 36.9 mm | 1.45 inch |
| Height with TS 35/15 | 44.4 mm | 1.75 inch |
| Height with TS 32/15 | NAV | NAV |
| Height with TS 15 | NAV | NAV |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 8 to 10 mm |

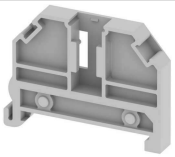
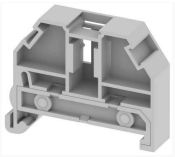
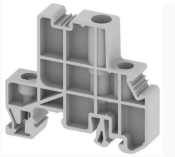
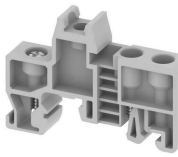
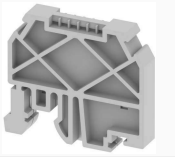
| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
|---|---|---|---|
| Connection in acc. with standard | IEC 60947-7-1 | Note | NAV |
| Conductor cross section solid min | 0.08 $mm^2$ | Conductor cross section solid max | 6 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 10 |
| Conductor cross section flexible min | 0.08 $mm^2$ | Conductor cross section flexible max | 4 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 10 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 4 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 4 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | 0.5 $mm^2$ |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A4/B4 | | |

## Approval Details

| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 600 V | C - UL Nominal Voltage $U_N$ : 600 V |
| B - UL Nominal Current $I_N$ : 30 A | C - UL Nominal Current $I_N$ : 30 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : 24 AWG |
| B - UL Wire Max : 10 AWG | C - UL Wire Max : 10 AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 600 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : 30 A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 10 AWG | C - CSA Wire Max : AWG |

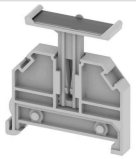
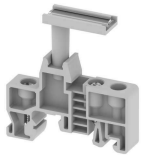
| | |
|---|---|
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

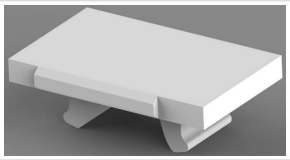
## Product Accessories

| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br><br>0.00 mm | 1.30 inch<br>0.24 inch<br><br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br><br>0.00 mm | 1.30 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br><br>0.00 mm | 1.40 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br><br>0.00 mm | 1.97 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  |
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch |  |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 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 | |

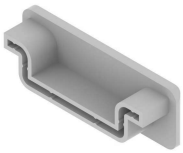
| DIN Rail, Unperforated | | | | |
|---|---|---|---|---|
| CHK | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |
| CHKD | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.00 mm | 0.59 inch<br>1.38 inch<br>0.04 inch | |

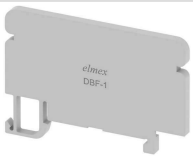
| Marker carriers | | | | |
|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  |
| SCUDDMLH | Length<br>Pitch | <br><br>0.00 mm<br>10.00 mm | <br><br>0.00 inch<br>0.39 inch | |

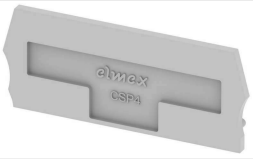
| Marker For Terminal Blocks | | | | |
|---|---|---|---|---|
| LABEL KN5.5 | Width | 6.00 mm | 0.24 inch |  |

| Plug-in Bridge/Jumper | | | | |
|---|---|---|---|---|
| SLPU6-2W | Height<br>Width<br>Pitch | 26.00 mm<br>10.15 mm<br><br>6.00 mm | 1.02 inch<br>0.40 inch<br><br>0.24 inch | |
| SLPU6-10W | Height<br>Width<br>Pitch | 26.00 mm<br>58.15 mm<br><br>6.00 mm | 1.02 inch<br>2.29 inch<br><br>0.24 inch | |

| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU6-3W | Height<br>Width<br>Pitch | 26.00 mm<br>16.15 mm<br><br>6.00 mm | 1.02 inch<br>0.64 inch<br><br>0.24 inch | | |
| SLPU6-4W | Height<br>Width<br>Pitch | 26.00 mm<br>22.15 mm<br><br>6.00 mm | 1.02 inch<br>0.87 inch<br><br>0.24 inch | | |
| SLPU6-5W | Height<br>Width<br>Pitch | 26.00 mm<br>28.15 mm<br><br>6.00 mm | 1.02 inch<br>1.11 inch<br><br>0.24 inch | | |
| SLPU6-6W | Height<br>Width<br>Pitch | 26.00 mm<br>34.15 mm<br><br>6.00 mm | 1.02 inch<br>1.34 inch<br><br>0.24 inch | | |

| End Cap | | | | | |
|---|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  | |

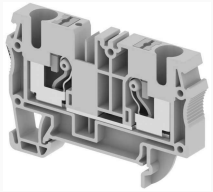
| Partition Plate | | | | | |
|---|---|---|---|---|---|
| DBF-1 | Height<br>Width<br>Length | 31.40 mm<br>3.00 mm<br><br>0.00 mm | 1.24 inch<br>0.12 inch<br><br>0.00 inch |  | |

| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP4 | Height<br>Width<br>Length | 23.00 mm<br>2.00 mm<br><br>0.00 mm | 0.91 inch<br>0.08 inch<br><br>0.00 inch |  | |

## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Feed Through Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PQ6 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Feed Through terminal block - Push in Connection |
| Full Description | Feed-through terminal block, nominal voltage: 1000 V, nominal current: 41 A, connection method: Push in type, number of connections: 2, cross section: 0.2 mm² - 10 mm², width: 8 mm , length: 64.2 mm , height :42.9 mm , mounting type: TS 35/7.5, TS 35/15. |
| Approvals | CE |
| Standard Colour | Gray |
| Colour Variants | Black , Blue , Green , Khakhi , Red , Yellow , |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | NAV |
| Weight per Piece (excluding packing) | 15.4 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | |
| Minimum Order Quantity | 100 pc |
| HSN Number | 85389000 |
| Country Of Origin | INDIA |

## Technical Data - General

| | | | |
|---|---|---|---|
| Number of levels | 1 | Number of connections | 2 |
| Potentials | 1 | Nominal cross section | 6 $mm^2$ |
| Insulating Material | Polyamide 6 , 6 | Clamping Material | SS |
| 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 | NAV |
| Maximum load current | NAV | | |
| Nominal Current $I_N$ | 41 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 RPM | Bending test turns | 138 |
| Bending test conductor cross section/weight | 0.2 $mm^2$ / 0.2 kg , 6 $mm^2$ / 1.4 Kg , 10 $mm^2$ / 2 Kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.2 $mm^2$ | Tractive force setpoint | 10 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 |
| Result of tight fit on support | Test passed | Tight fit on carrier | TS 35/7.5, TS 35/15 |
| Setpoint | 5 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 mV | Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed | Conductor cross section short circuit testing | 6 $mm^2$ |
| Short-time current | 0.72 kA | Conductor cross section short circuit testing | NAV |
| Short-time current | NAV | Result of thermal test | Test passed |

| | | | |
|---|---|---|---|
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAV |
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAV |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAV |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 8 mm | 0.31 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 64.2 mm | 2.53 inch |
| Height | 42.9 mm | 1.69 inch |
| Height with TS 35/7,5 | 43.8 mm | 1.72 inch |
| Height with TS 35/15 | 51.3 mm | 2.02 inch |
| Height with TS 32/15 | NAV | 0.00 inch |
| Height with TS 15 | NAV | NAV |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 10 to 12 mm |

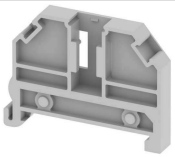
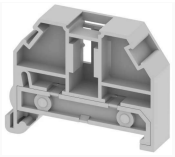
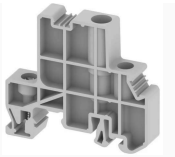
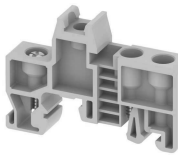
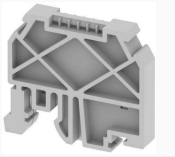
| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
|---|---|---|---|
| Connection in acc. with standard | IEC 60947-7-1 | Note | NAV |
| Conductor cross section solid min | 0.2 $mm^2$ | Conductor cross section solid max | 10 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 8 |
| Conductor cross section flexible min | 0.2 $mm^2$ | Conductor cross section flexible max | 6 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 8 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.25 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 6 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.25 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 6 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | 1.5 $mm^2$ |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A5/B5 | | |

## Approval Details

| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 600 V | C - UL Nominal Voltage $U_N$ : 600 V |
| B - UL Nominal Current $I_N$ : 40 A | C - UL Nominal Current $I_N$ : 40 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : 24 AWG |
| B - UL Wire Max : 8 AWG | C - UL Wire Max : 8 AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 600 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : 40 A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 8 AWG | C - CSA Wire Max : AWG |

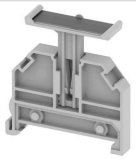
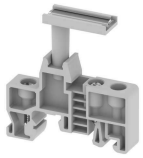
| | |
|---|---|
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

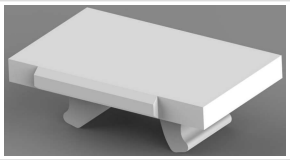
## Product Accessories

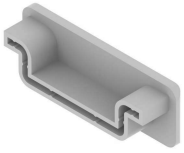
| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br><br>0.00 mm | 1.30 inch<br>0.24 inch<br><br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br><br>0.00 mm | 1.30 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br><br>0.00 mm | 1.40 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br><br>0.00 mm | 1.97 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  |
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch |  |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 inch | |

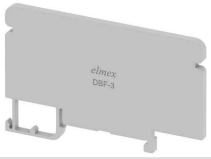
| DIN Rail Perforated | | | | |
|---|---|---|---|---|
| CHKDS | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.50 mm | 0.59 inch<br>1.38 inch<br>0.06 inch | |
| CHKS | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |

| 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 | |

| Marker carriers | | | | |
|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  |
| SCUDDMLH | Length<br>Pitch | <br><br>0.00 mm<br>10.00 mm | <br><br>0.00 inch<br>0.39 inch | |

| Marker For Terminal Blocks | | | | |
|---|---|---|---|---|
| LABEL KN8 | Width | 8.00 mm | 0.31 inch |  |

| End Cap | | | | |
|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  |

| Partition Plate | | | | |
|---|---|---|---|---|
| DBF-3 | Height<br>Width<br>Length | 38.40 mm<br>3.00 mm<br><br>0.00 mm | 1.51 inch<br>0.12 inch<br><br>0.00 inch |  |

| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP6 | Height<br>Width<br>Length | 29.60 mm<br>2.00 mm<br><br>0.00 mm | 1.17 inch<br>0.08 inch<br><br>0.00 inch | | |

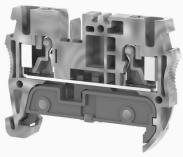
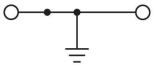
| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU8-2W | Height<br>Width<br>Pitch | 33.30 mm<br>15.20 mm<br><br>8.00 mm | 1.31 inch<br>0.60 inch<br><br>0.31 inch | | |
| SLPU8-10W | Height<br>Width<br>Pitch | 33.30 mm<br>79.20 mm<br><br>8.00 mm | 1.31 inch<br>3.12 inch<br><br>0.31 inch | | |
| SLPU8-3W | Height<br>Width<br>Pitch | 33.30 mm<br>23.20 mm<br><br>8.00 mm | 1.31 inch<br>0.91 inch<br><br>0.31 inch | | |
| SLPU8-4W | Height<br>Width<br>Pitch | 33.30 mm<br>31.20 mm<br><br>8.00 mm | 1.31 inch<br>1.23 inch<br><br>0.31 inch | | |
| SLPU8-5W | Height<br>Width<br>Pitch | 33.30 mm<br>39.20 mm<br><br>8.00 mm | 1.31 inch<br>1.54 inch<br><br>0.31 inch | | |

# PGQ2.5 - Product Details

## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Ground Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PGQ2.5 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Ground Modular terminal block - Push in Connection |
| Full Description | Terminal Type – PGQ 2.5, Ground modular terminal block , connection method: push in connection , number of connections: 2, cross section: 0.08 $mm^2$ – 4 $mm^2$ , width: 5 mm , length: 50.7 mm , height : 36 mm , mounting type: TS 35/7.5, TS 35/15 |
| Approvals | CE |
| Standard Colour | Green - Yellow |
| Colour Variants | |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | NAV |
| Weight per Piece (excluding packing) | 9.03 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | 0 |
| Minimum Order Quantity | 100 pc |
| GTIN Number | 85389000 |
| Country Of Origin | India |

## Technical Data - General

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

| | | | |
|---|---|---|---|
| Potentials | 0 | Nominal cross section | 2.5 $mm^2$ |
| Insulating Material | Polyamide 6 , 6 | Clamping Material | SS |
| 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 | NAV |
| Maximum load current | NAV | | |
| Nominal Current $I_N$ | NAP A | Nominal Voltage $U_N$ | NAP V |
| Open side panel | Yes | | |
| Back of the hand protection | None | Finger Protection | None |
| 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 RPM | Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.08 $mm^2$ / 0.2 kg , 2.5 $mm^2$ / 0.7 kg , 4 $mm^2$ / 0.9 kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 $mm^2$ | Tractive force setpoint | 10 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 |
| Setpoint | 1 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 , <=6.4 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 | Conductor cross section short circuit testing | NAV |
| Short-time current | NAV | Result of thermal test | Test passed |
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAV |

| | | | |
|---|---|---|---|
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAV |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAP |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 5 mm | 0.2 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 50.7 mm | 2 inch |
| Height | 36.03 mm | 1.42 inch |
| Height with TS 35/7,5 | 36.9 mm | 1.45 inch |
| Height with TS 35/15 | 44.4 mm | 1.75 inch |
| Height with TS 32/15 | NAV | 0.00 inch |
| Height with TS 15 | NAV | NAV |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 8 to 10 mm |
| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
| Connection in acc. with standard | IEC 60947-7-2 | Note | NAV |

| | | | |
|---|---|---|---|
| Conductor cross section solid min | 0.08 $mm^2$ | Conductor cross section solid max | 4 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 12 |
| Conductor cross section flexible min | 0.08 $mm^2$ | Conductor cross section flexible max | 2.5 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 2.5 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 2.5 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | NAV |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A3/B3 | | |

## Approval Details

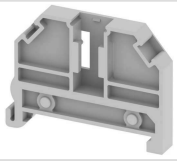
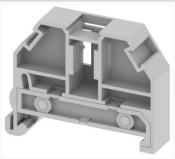
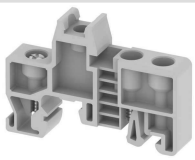
| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 0 V | C - UL Nominal Voltage $U_N$ : 0 V |
| B - UL Nominal Current $I_N$ : A | C - UL Nominal Current $I_N$ : 0 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : AWG |
| B - UL Wire Max : 12 AWG | C - UL Wire Max : AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 0 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 12 AWG | C - CSA Wire Max : AWG |
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |

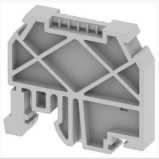
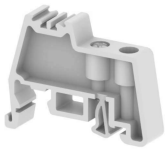
| | |
|---|---|
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

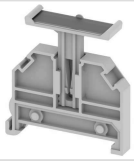
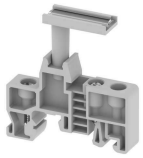
## Product Accessories

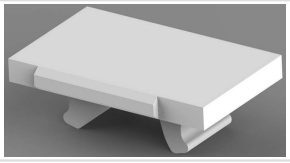
| DIN Rail Perforated | | | | |
|---|---|---|---|---|
| CHKDS | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.50 mm | 0.59 inch<br>1.38 inch<br>0.06 inch | |
| CHKS | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |

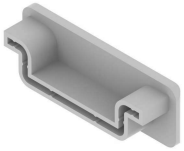
| DIN Rail, Unperforated | | | | |
|---|---|---|---|---|
| CHK | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |
| CHKD | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.00 mm | 0.59 inch<br>1.38 inch<br>0.04 inch | |

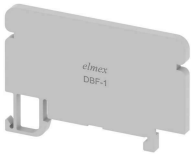
| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br><br>0.00 mm | 1.30 inch<br>0.24 inch<br><br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br><br>0.00 mm | 1.30 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br><br>0.00 mm | 1.40 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br><br>0.00 mm | 1.97 inch<br>0.39 inch<br><br>0.00 inch | |
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  |

| End Clamp | | | | | |
|---|---|---|---|---|---|
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch |  | |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 inch |  | |

| Marker carriers | | | | | |
|---|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  | |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  | |

| Marker For Terminal Blocks | | | | | |
|---|---|---|---|---|---|
| LABEL KN5 | Width | 5.00 mm | 0.20 inch |  | |

| End Cap | | | | | |
|---|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  | |

| Partition Plate | | | | | |
|---|---|---|---|---|---|
| DBF-1 | Height<br>Width<br>Length | 31.40 mm<br>3.00 mm<br><br>0.00 mm | 1.24 inch<br>0.12 inch<br><br>0.00 inch |  | |

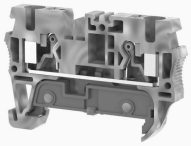
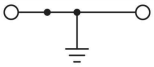
| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU5 (2W , 3W , 4W , 5W , 6W , 7W , 10W) | Pitch | 5.00 mm | 0.20 inch | | |

| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP2.5 | Height<br>Width<br>Length | 22.70 mm<br>2.00 mm<br><br>0.00 mm | 0.89 inch<br>0.08 inch<br><br>0.00 inch | | |

## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Ground Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PGQ4 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Ground modular terminal block - Push in connection |
| Full Description | Terminal Type – PGQ 4 , Ground modular terminal block , connection method: push in connection , number of connections: 2, cross section: 0.08 mm² – 6 mm² , width: 6 mm , length: 56.2 mm , height : 36 mm , mounting type: TS 35/7.5, TS 35/15 |
| Approvals | CE |
| Standard Colour | Green-Yellow |
| Colour Variants | |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | NAV |
| Weight per Piece (excluding packing) | 11.47 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | |
| Minimum Order Quantity | 100 pc |
| GTIN Number | 85389000 |
| Country Of Origin | India |

## Technical Data - General

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

| | | | |
|---|---|---|---|
| Potentials | 0 | Nominal cross section | 4 $mm^2$ |
| Insulating Material | Polyamide 6 , 6 | Clamping Material | SS |
| 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 | NAV |
| Maximum load current | NAV | | |
| Nominal Current $I_N$ | NAP A | Nominal Voltage $U_N$ | NAP V |
| Open side panel | Yes | | |
| Back of the hand protection | None | Finger Protection | None |
| 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 RPM | Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.08 $mm^2$ / 0.2 kg , 4 $mm^2$ / 0.9 kg , 6 $mm^2$ / 1.2 kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 $mm^2$ | Tractive force setpoint | 10 N |
| Conductor cross section tensile test | 4 $mm^2$ | Tractive force setpoint | 60 N |
| Conductor cross section tensile test | 6 $mm^2$ | Tractive force setpoint | 80 N |
| Result of tight fit on support | Test passed | Tight fit on carrier | TS 35/7.5, TS 35/15 |
| Setpoint | 5 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 , <=6.4 mV | Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed | Conductor cross section short circuit testing | 4 $mm^2$ |
| Short-time current | 0.48 kA | Conductor cross section short circuit testing | NAV |
| Short-time current | NAV | Result of thermal test | Test passed |
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAV |

| | | | |
|---|---|---|---|
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAV |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAV |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 6 mm | 0.24 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 56.2 mm | 2.21 inch |
| Height | 36 mm | 1.42 inch |
| Height with TS 35/7,5 | 36.9 mm | 1.45 inch |
| Height with TS 35/15 | 44.4 mm | 1.75 inch |
| Height with TS 32/15 | NAV | NAV |
| Height with TS 15 | NAV | NAV |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 8 to 10 mm |
| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
| Connection in acc. with standard | IEC 60947-7-2 | Note | NAV |

| | | | |
|---|---|---|---|
| Conductor cross section solid min | 0.08 $mm^2$ | Conductor cross section solid max | 6 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 10 |
| Conductor cross section flexible min | 0.08 $mm^2$ | Conductor cross section flexible max | 4 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 10 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 4 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 4 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | 0.5 $mm^2$ |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A4/B4 | | |

## Approval Details

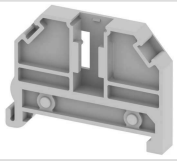
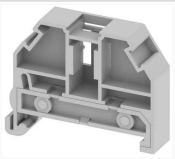
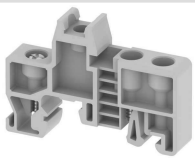
| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 0 V | C - UL Nominal Voltage $U_N$ : 0 V |
| B - UL Nominal Current $I_N$ : A | C - UL Nominal Current $I_N$ : 0 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : AWG |
| B - UL Wire Max : 10 AWG | C - UL Wire Max : AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 0 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 10 AWG | C - CSA Wire Max : AWG |
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |

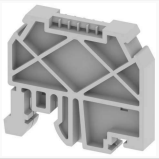
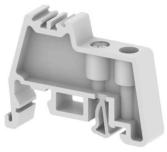
| | |
|---|---|
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

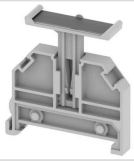
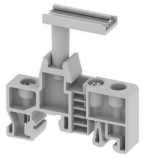
## Product Accessories

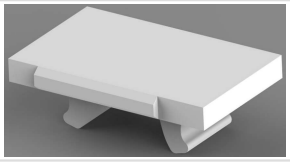
| DIN Rail Perforated | | | | |
|---|---|---|---|---|
| CHKDS | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.50 mm | 0.59 inch<br>1.38 inch<br>0.06 inch | |
| CHKS | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |

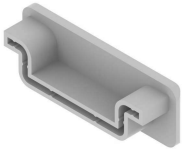
| DIN Rail, Unperforated | | | | |
|---|---|---|---|---|
| CHK | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |
| CHKD | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.00 mm | 0.59 inch<br>1.38 inch<br>0.04 inch | |

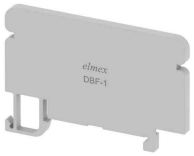
| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br><br>0.00 mm | 1.30 inch<br>0.24 inch<br><br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br><br>0.00 mm | 1.30 inch<br>0.39 inch<br><br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br><br>0.00 mm | 1.40 inch<br>0.31 inch<br><br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br><br>0.00 mm | 1.97 inch<br>0.39 inch<br><br>0.00 inch | |
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  |

| End Clamp | | | | | |
|---|---|---|---|---|---|
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch |  | |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 inch |  | |

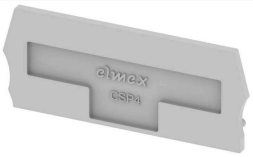
| Marker carriers | | | | | |
|---|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  | |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  | |

| Marker For Terminal Blocks | | | | | |
|---|---|---|---|---|---|
| LABEL KN5.5 | Width | 6.00 mm | 0.24 inch |  | |

| End Cap | | | | | |
|---|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  | |

| Partition Plate | | | | | |
|---|---|---|---|---|---|
| DBF-1 | Height<br>Width<br>Length | 31.40 mm<br>3.00 mm<br><br>0.00 mm | 1.24 inch<br>0.12 inch<br><br>0.00 inch |  | |

| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU6 (2W , 3W , 4W , 5W , 6W , 7W , 10W) | Pitch | 6.00 mm | 0.24 inch | | |

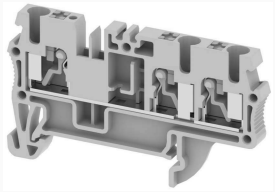
| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP4 | Height<br>Width<br>Length | 23.00 mm<br>2.00 mm<br><br>0.00 mm | 0.91 inch<br>0.08 inch<br><br>0.00 inch |  | |

# PQ2.5-1X2 - Product Details

## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Multi Conductor Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PQ2.5-1X2 |
| Product Image |  |
| Line Diagram |  |
| Short Description | Multi conductor terminal block - Push in connection |
| Full Description | Terminal Type - PQ 2.5-1X2, Multi conductor Feed-through terminal block, nominal voltage: 1000 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 3, cross section: 0.08 $mm^2$ - 4 $mm^2$, width: 5 mm, length: 62.7mm, height: 36 mm , mounting type: TS 35/7.5, TS 35/15 |
| Approvals | CE |
| Standard Colour | Gray |
| Colour Variants | Black , Blue , Green , Khakhi , Red , Yellow , |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | NAV |
| Weight per Piece (excluding packing) | 9.94 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | |
| Minimum Order Quantity | 100 pc |
| HSN Number | 85389000 |
| Country Of Origin | India |

## Technical Data - General

| | | | |
|---|---|---|---|
| Number of levels | 1 | Number of connections | 3 |
| Potentials | 1 | Nominal cross section | 2.5 $mm^2$ |
| Insulating Material | Polyamide 6 , 6 | Clamping Material | SS |
| 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 | NAV |
| Maximum load current | NAV | | |
| 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 RPM | Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.08 $mm^2$ / 0.2 kg , 2.5 $mm^2$ / 0.7 kg , 4 $mm^2$ / 0.9 kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 $mm^2$ | Tractive force setpoint | 10 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 |
| Setpoint | 1 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 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 | Conductor cross section short circuit testing | NAV |
| Short-time current | NAV | Result of thermal test | Test passed |

| | | | |
|---|---|---|---|
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAV |
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAV |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAV |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 5 mm | 0.2 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 62.7 mm | 2.47 inch |
| Height | 36 mm | 1.42 inch |
| Height with TS 35/7,5 | 36.9 mm | 1.45 inch |
| Height with TS 35/15 | 44.4 mm | 1.75 inch |
| Height with TS 32/15 | NAV | NAV |
| Height with TS 15 | NAV | NAV |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 8 to 10 mm |

| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
|---|---|---|---|
| Connection in acc. with standard | IEC 60947-7-1 | Note | NAV |
| Conductor cross section solid min | 0.08 $mm^2$ | Conductor cross section solid max | 4 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 12 |
| Conductor cross section flexible min | 0.08 $mm^2$ | Conductor cross section flexible max | 2.5 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 2.5 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 2.5 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | NAV |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A3/B3 | | |

## Approval Details

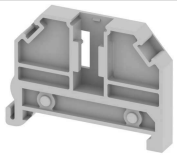
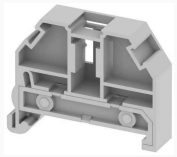
| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 600 V | C - UL Nominal Voltage $U_N$ : 600 V |
| B - UL Nominal Current $I_N$ : 20 A | C - UL Nominal Current $I_N$ : 20 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : 24 AWG |
| B - UL Wire Max : 12 AWG | C - UL Wire Max : 12 AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 600 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : 20 A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 12 AWG | C - CSA Wire Max : AWG |

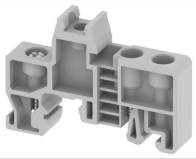
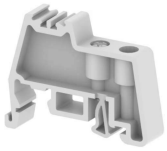
| | |
|---|---|
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

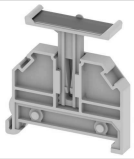
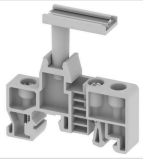
## Product Accessories

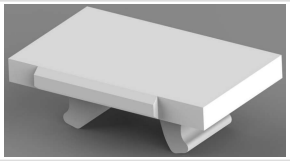
| DIN Rail Perforated | | | | |
|---|---|---|---|---|
| CHKDS | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.50 mm | 0.59 inch<br>1.38 inch<br>0.06 inch | |
| CHKS | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |

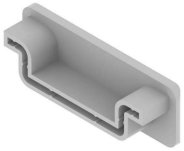
| DIN Rail, Unperforated | | | | |
|---|---|---|---|---|
| CHK | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |
| CHKD | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.00 mm | 0.59 inch<br>1.38 inch<br>0.04 inch | |

| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br>0.00 mm | 1.30 inch<br>0.24 inch<br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br>0.00 mm | 1.30 inch<br>0.39 inch<br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br>0.00 mm | 1.40 inch<br>0.31 inch<br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br>0.00 mm | 1.97 inch<br>0.39 inch<br>0.00 inch | |

| End Clamp | | | | | |
|---|---|---|---|---|---|
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  | |
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch | | |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 inch |  | |

| Marker carriers | | | | | |
|---|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  | |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  | |
| SCUDDMLH | Length<br>Pitch | <br><br>0.00 mm<br>10.00 mm | <br><br>0.00 inch<br>0.39 inch | | |

| Marker For Terminal Blocks | | | | | |
|---|---|---|---|---|---|
| LABEL KN5 | Width | 5.00 mm | 0.20 inch |  | |

| End Cap | | | | | |
|---|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  | |

| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP2.5-1X2 | Height<br>Width<br>Length | 22.70 mm<br>2.00 mm<br><br>0.00 mm | 0.89 inch<br>0.08 inch<br><br>0.00 inch | | |

| Partition Plate | | | | | |
|---|---|---|---|---|---|
| DBF-3 | Height<br>Width<br>Length | 38.40 mm<br>3.00 mm<br><br>0.00 mm | 1.51 inch<br>0.12 inch<br><br>0.00 inch | | |

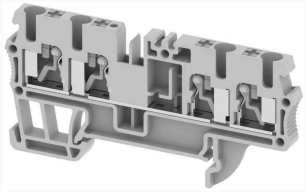
| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU5-2W | Height<br>Width<br>Pitch | 26.00 mm<br>9.15 mm<br><br>5.00 mm | 1.02 inch<br>0.36 inch<br><br>0.20 inch | | |
| SLPU5-3W | Height<br>Width<br>Pitch | 26.00 mm<br>14.15 mm<br><br>5.00 mm | 1.02 inch<br>0.56 inch<br><br>0.20 inch | | |
| SLPU5-10W | Height<br>Width<br>Pitch | 26.00 mm<br>49.15 mm<br><br>5.00 mm | 1.02 inch<br>1.94 inch<br><br>0.20 inch | | |
| SLPU5-4W | Height<br>Width<br>Pitch | 26.00 mm<br>19.15 mm<br><br>5.00 mm | 1.02 inch<br>0.75 inch<br><br>0.20 inch | | |
| SLPU5-5W | Height<br>Width<br>Pitch | 26.00 mm<br>24.15 mm<br><br>5.00 mm | 1.02 inch<br>0.95 inch<br><br>0.20 inch | | |
| SLPU5-6W | Height<br>Width<br>Pitch | 26.00 mm<br>29.15 mm<br><br>5.00 mm | 1.02 inch<br>1.15 inch<br><br>0.20 inch | | |
| SLPU5-7W | Height<br>Width<br>Pitch | 26.00 mm<br>34.15 mm<br><br>5.00 mm | 1.02 inch<br>1.34 inch<br><br>0.20 inch | | |

# PQ2.5-2X2 - Product Details

## General Information

| | |
|---|---|
| Company | Elmex Group |
| Product Category | Terminal Blocks |
| Product Group | Multi Conductor Terminal Blocks |
| Connection Method | Push In Connection |

## Product Data

| | |
|---|---|
| Product Name | PQ2.5-2X2 |
| Product Image |  |
| Line Diagram | |
| Short Description | Multi Conductor terminal block - Push in connection |
| Full Description | Terminal Type - PQ 2.5-2X2 , Multi conductor Feed-through terminal block, nominal voltage: 1000 V, nominal current: 24 A, connection method: Push-in connection, number of connections: 4, cross section: 0.08 mm² - 4 mm², width: 5 mm, length :74.7 , height: 36 mm, color: Gray, mounting type: TS 35/7.5, TS 35/15 |
| Approvals | CE |
| Standard Colour | Gray |
| Colour Variants | Black , Blue , Green , Khakhi , Red , Yellow , |
| Your Advantages | |

## Key Commercial Data

| | |
|---|---|
| Weight of std. Packing Unit | NAV |
| Weight per Piece (excluding packing) | 13.2 g |
| Std. Packing Unit | 100 pc |
| Custom tariff number | 0 |
| Order Key | 0 |
| Minimum Order Quantity | 100 pc |
| HSN Number | 85389000 |
| Country Of Origin | India |

## Technical Data - General

| | | | |
|---|---|---|---|
| Number of levels | 1 | Number of connections | 4 |
| Potentials | 1 | Nominal cross section | 2.5 $mm^2$ |
| Insulating Material | Polyamide 6 , 6 | Clamping Material | SS |
| 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 | NAV |
| Maximum load current | NAV | | |
| 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 RPM | Bending test turns | 135 |
| Bending test conductor cross section/weight | 0.08 $mm^2$ / 0.2 kg , 2.5 $mm^2$ / 0.7 kg , 4 $mm^2$ / 0.9 kg | Tensile test result | Test passed |
| Conductor cross section tensile test | 0.08 $mm^2$ | Tractive force setpoint | 10 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 |
| Setpoint | 1 N | Result of voltage-drop test | Test passed |
| Requirements, voltage drop | <=3.2 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 | Conductor cross section short circuit testing | NAP $mm^2$ |
| Short-time current | NAP kA | Result of thermal test | Test passed |

| | | | |
|---|---|---|---|
| Proof of thermal characteristics effective duration | NAV | Oscillation, broadband noise test result | NAP |
| Test specification, oscillation, broadband noise | NAV | Test spectrum | NAV |
| Test frequency | NAV | ASD level | NAV |
| Acceleration | NAV | Test duration per axis | NAV |
| Test directions | NAV | Shock test result | NAP |
| Test specification, shock test | NAV | Shock form | NAV |
| Acceleration | NAV | Shock duration | NAV |
| Number of shocks per direction | NAV | Test directions | NAV |
| Relative insulation material temperature index | NAV | Temperature index of insulation material | NAV |
| Static insulating material application in cold | NAV | Behavior in fire for rail vehicles | NAP |
| Flame test method | NAV | Oxygen index | NAV |
| NF F16-101, NF F10-102 Class I | NAV | NF F16-101, NF F10-102 Class F | NAV |
| Surface flammability | Passed | Specific optical density of smoke | Passed |
| Smoke gas toxicity | Passed | Calorimetric heat release | NAV |
| Fire protection for rail vehicles R22 | NAV | Fire protection for rail vehicles R23 | NAV |
| Fire protection for rail vehicles R24 | NAV | Fire protection for rail vehicles R26 | NAV |

## Dimensions

| | | |
|---|---|---|
| Width | 5 mm | 0.2 inch |
| End cover width | 2 mm | 0.08 inch |
| Length | 74.7 mm | 2.94 inch |
| Height | 36 mm | 1.42 inch |
| Height with TS 35/7,5 | 36.9 mm | 1.45 inch |
| Height with TS 35/15 | 44.4 mm | 1.75 inch |
| Height with TS 32/15 | NAV | NAV |
| Height with TS 15 | NAV | NAV |

## Connection Data

| | | | |
|---|---|---|---|
| Screw thread | NAP | Stripping length | 8 to 10 mm |

| Tightening torque, min | NAP Nm | Tightening torque, max | NAP Nm |
|---|---|---|---|
| Connection in acc. with standard | IEC 60947-7-1 | Note | NAV |
| Conductor cross section solid min | 0.08 $mm^2$ | Conductor cross section solid max | 4 $mm^2$ |
| Conductor cross section AWG min | 24 | Conductor cross section AWG max | 12 |
| Conductor cross section flexible min | 0.08 $mm^2$ | Conductor cross section flexible max | 2.5 $mm^2$ |
| Min. AWG conductor cross section, flexible | 24 | Max. AWG conductor cross section, flexible | 12 |
| Conductor cross section flexible, with ferrule without plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule without plastic sleeve max | 2.5 $mm^2$ |
| Conductor cross section flexible, with ferrule with plastic sleeve min | 0.14 $mm^2$ | Conductor cross section flexible, with ferrule with plastic sleeve max | 2.5 $mm^2$ |
| 2 conductors with same cross section, solid min | NAV | 2 conductors with same cross section, solid max | NAV |
| 2 conductors with same cross section, stranded min | NAV | 2 conductors with same cross section, stranded max | NAV |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max | NAV |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min | NAV | 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max | NAV |
| Internal cylindrical Gauge | A2 | | |

## Approval Details

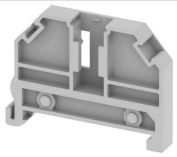
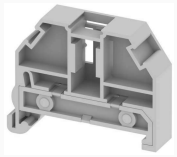
| | |
|---|---|
| UL Standard : UL 1059 | |
| B - UL Nominal Voltage $U_N$ : 600 V | C - UL Nominal Voltage $U_N$ : 600 V |
| B - UL Nominal Current $I_N$ : 20 A | C - UL Nominal Current $I_N$ : 20 A |
| B - UL Wire Min : 24 AWG | C - UL Wire Min : 24 AWG |
| B - UL Wire Max : 12 AWG | C - UL Wire Max : 12 AWG |
| CSA Standard : CSA C22.2 NO 158 | |
| B - CSA Nominal Voltage $U_N$ : 600 V | C - CSA Nominal Voltage $U_N$ : 0 V |
| B - CSA Nominal Current $I_N$ : 20 A | C - CSA Nominal Current $I_N$ : 0 A |
| B - CSA Wire Min : 24 AWG | C - CSA Wire Min : AWG |
| B - CSA Wire Max : 12 AWG | C - CSA Wire Max : AWG |

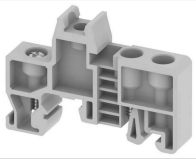
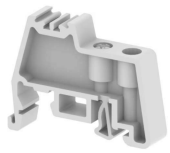
| | |
|---|---|
| ATEX Standard : NAV | |
| ATEX Nominal Voltage $U_N$ : 0 V | ATEX Nominal Current $I_N$ : A |
| ATEX Cross Section Solid Min. : AWG | ATEX Cross Section Solid Max. : AWG |
| ATEX Cross Sec. Flexible Min. : AWG | ATEX Cross Sec. Flexible Max. : AWG |

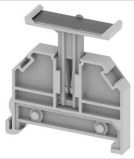
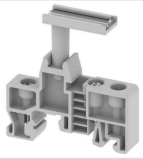
## Product Accessories

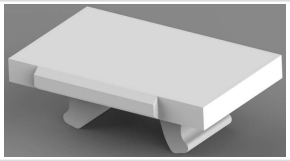
| DIN Rail Perforated | | | | |
|---|---|---|---|---|
| CHKDS | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.50 mm | 0.59 inch<br>1.38 inch<br>0.06 inch | |
| CHKS | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |

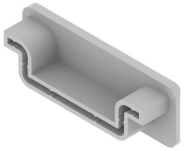
| DIN Rail, Unperforated | | | | |
|---|---|---|---|---|
| CHK | Height<br>Width<br>Thickness | 7.50 mm<br>35.00 mm<br>1.00 mm | 0.30 inch<br>1.38 inch<br>0.04 inch | |
| CHKD | Height<br>Width<br>Thickness | 15.00 mm<br>35.00 mm<br>1.00 mm | 0.59 inch<br>1.38 inch<br>0.04 inch | |

| End Clamp | | | | |
|---|---|---|---|---|
| DCKN | Height<br>Width<br>Length | 33.00 mm<br>6.00 mm<br>0.00 mm | 1.30 inch<br>0.24 inch<br>0.00 inch |  |
| DCKN10 | Height<br>Width<br>Length | 33.00 mm<br>10.00 mm<br>0.00 mm | 1.30 inch<br>0.39 inch<br>0.00 inch |  |
| SCKN | Height<br>Width<br>Length | 35.50 mm<br>8.00 mm<br>0.00 mm | 1.40 inch<br>0.31 inch<br>0.00 inch | |
| SCUDD | Height<br>Width<br>Length | 50.00 mm<br>10.00 mm<br>0.00 mm | 1.97 inch<br>0.39 inch<br>0.00 inch | |

| End Clamp | | | | | |
|---|---|---|---|---|---|
| SCUN | Height<br>Width<br>Length | 35.50 mm<br>9.50 mm<br><br>0.00 mm | 1.40 inch<br>0.37 inch<br><br>0.00 inch |  | |
| SCUSL | Height<br>Width<br>Length | 41.00 mm<br>8.00 mm<br><br>0.00 mm | 1.61 inch<br>0.31 inch<br><br>0.00 inch | | |
| SCUP | Height<br>Length | 34.00 mm<br><br><br>0.00 mm | 1.34 inch<br>9.00 inch<br><br>0.00 inch |  | |

| Marker carriers | | | | | |
|---|---|---|---|---|---|
| DCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>6.00 mm<br><br>0.00 mm | 1.79 inch<br>0.24 inch<br><br>0.00 inch |  | |
| SCKNMLH | Height<br>Width<br>Length | 45.50 mm<br>8.00 mm<br><br>0.00 mm | 1.79 inch<br>0.31 inch<br><br>0.00 inch | | |
| SCUNMLH | Height<br>Width<br>Length | 53.50 mm<br>8.00 mm<br><br>0.00 mm | 2.11 inch<br>0.31 inch<br><br>0.00 inch |  | |
| SCUDDMLH | Length<br>Pitch | <br><br>0.00 mm<br>10.00 mm | <br><br>0.00 inch<br>0.39 inch | | |

| Marker For Terminal Blocks | | | | | |
|---|---|---|---|---|---|
| LABEL KN5 | Width | 5.00 mm | 0.20 inch |  | |

| End Cap | | | | | |
|---|---|---|---|---|---|
| CHKENDCAP | Height<br>Width<br>Length | 14.00 mm<br>9.00 mm<br><br>0.00 mm | 0.55 inch<br>0.35 inch<br><br>0.00 inch |  | |

| Partition Plate | | | | | |
|---|---|---|---|---|---|
| DBF-3 | Height<br>Width<br>Length | 38.40 mm<br>3.00 mm<br><br>0.00 mm | 1.51 inch<br>0.12 inch<br><br>0.00 inch | | |

| Plug-in Bridge/Jumper | | | | | |
|---|---|---|---|---|---|
| SLPU5-2W | Height<br>Width<br>Pitch | 26.00 mm<br>9.15 mm<br><br>5.00 mm | 1.02 inch<br>0.36 inch<br><br>0.20 inch | | |
| SLPU5-3W | Height<br>Width<br>Pitch | 26.00 mm<br>14.15 mm<br><br>5.00 mm | 1.02 inch<br>0.56 inch<br><br>0.20 inch | | |
| SLPU5-10W | Height<br>Width<br>Pitch | 26.00 mm<br>49.15 mm<br><br>5.00 mm | 1.02 inch<br>1.94 inch<br><br>0.20 inch | | |
| SLPU5-4W | Height<br>Width<br>Pitch | 26.00 mm<br>19.15 mm<br><br>5.00 mm | 1.02 inch<br>0.75 inch<br><br>0.20 inch | | |
| SLPU5-5W | Height<br>Width<br>Pitch | 26.00 mm<br>24.15 mm<br><br>5.00 mm | 1.02 inch<br>0.95 inch<br><br>0.20 inch | | |
| SLPU5-6W | Height<br>Width<br>Pitch | 26.00 mm<br>29.15 mm<br><br>5.00 mm | 1.02 inch<br>1.15 inch<br><br>0.20 inch | | |
| SLPU5-7W | Height<br>Width<br>Pitch | 26.00 mm<br>34.15 mm<br><br>5.00 mm | 1.02 inch<br>1.34 inch<br><br>0.20 inch | | |

| End Cover | | | | | |
|---|---|---|---|---|---|
| CSP2.5-2X2 | Height<br>Width<br>Length | 22.70 mm<br>2.00 mm<br><br>0.00 mm | 0.89 inch<br>0.08 inch<br><br>0.00 inch | | |