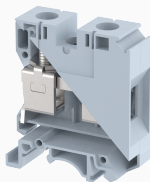




KUT35 - Product Details

General Information

Company	Elmex Group
Product Category	Terminal Blocks
Product Group	Feed Through Terminal Blocks
Connection Method	Screw Connection

Product Data

Product Name	KUT35
Product Image	
Line Diagram	
Short Description	Feed Through Terminal Block - Screw Connection
Full Description	Terminal Type - KUT35 , Feed-through terminal block, nominal voltage: 1000 V, nominal current: 125 A, connection method: Screw connection, number of connections: 2, cross section: 10 mm ² - 35 mm ² , AWG: 8 - 1, width: 17 mm , length: 51 mm , Height : 58 mm , mounting type: TS35/7.5 , TS35/15 , and TS32
Approvals	
Standard Colour	Gray
Colour Variants	Black , Blue , Green , Khakhi , Red , Yellow ,
Your Advantages	Easy and time-saving potential supply and distribution of large currents and cross sections up to 35 mm ² with reducing bridges

Key Commercial Data

Standard Weight	2.9 Kg
Weight per Piece (excluding packing)	55.7 g
Packing Unit	50 pc
Minimum Order Quantity	50 pc
GTIN Number	85389000
Country Of Origin	India

Technical Data - General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	35 mm ²
Insulating Material	Polyamide 6 , 6
Clamping Material	CRCA
Flammability rating acc. to UL 94	V2 (V0 - on customer demand)
Area of application	
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Maximum power dissipation for nominal condition	4 W
Nominal Current I _N	125 A
Nominal Voltage U _N	1000 V
Open side panel	No
Back of the hand protection	Guaranteed
Finger Protection	Guaranteed
Result Of Surge Voltage Test	Test passed
Surge Voltage Test Setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of the test for mechanical stability of terminal points	Test passed
Result of bending test	Test passed
Bending test rotation speed	9
Bending test turns	135
Bending test conductor cross section/weight	10 mm ² / 2 kg ,35 mm ² / 6.8 kg
Tensile test result	Test passed
Conductor cross section tensile test	10 mm ²
Tractive force setpoint	90 N
Conductor cross section tensile test	35 mm ²
Tractive force setpoint	190 N
Conductor cross section tensile test	35 mm ²
Tractive force setpoint	190 N
Result of tight fit on support	Test passed
Tight fit on carrier	TS35/7.5 , TS35/15 , and TS32
Setpoint	10

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	35 mm ²
Short-time current	4.2 kA
Relative insulation material temperature index	130 °C
Temperature index of insulation material	130 °C
Static insulating material application in cold	-40 °C
Flame test method	Vertical
Oxygen index	28 %
Surface flammability	Passed
Specific optical density of smoke	Passed
Smoke gas toxicity	Passed

Dimensions

Width	17 mm	0.67 inch
Length	51 mm	2.01 inch
Height	58 mm	2.28 inch
Height NS 35/7,5	59.2 mm	2.33 inch
Height NS 35/15	66.7 mm	2.63 inch
Height NS 32/15	63.6 mm	2.50 inch

Connection Data


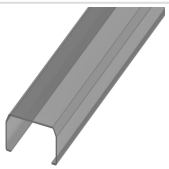

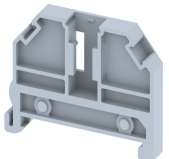
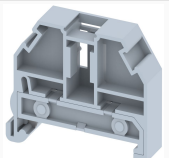

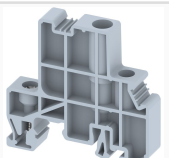
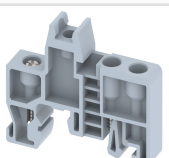
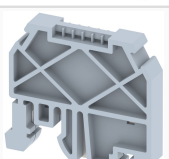
Screw thread	M6
Stripping length	17 mm
Tightening torque, min	3 Nm
Tightening torque, max	3.3 Nm
Connection in acc. with standard	IEC-60947-7-1
Conductor cross section solid min	10 mm ²
Conductor cross section solid max	35 mm ²
Conductor cross section AWG min, Solid	14
Conductor cross section AWG max, Solid	1
Conductor cross section flexible min	10 mm ²
Conductor cross section flexible max	35 mm ²

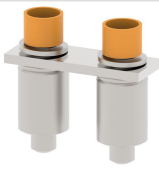


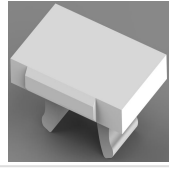

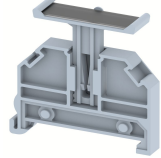

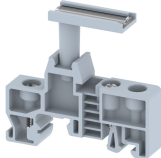

Min. AWG conductor cross section, flexible	14
Max. AWG conductor cross section, flexible	1
Conductor cross section flexible, with ferrule without plastic sleeve min	10 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max	35 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min	10 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max	35 mm ²

Approval Details

UL Standard	UL 1059
B - UL Nominal Voltage U_N	600 V
B - UL Nominal Current I_N	140 A
B - UL Wire Min	14 AWG
B - UL Wire Max	1 AWG
C - UL Nominal Voltage U_N	600 V
C - UL Nominal Current I_N	140 A
C - UL Wire Min	14 AWG
C - UL Wire Max	1 AWG
CSA Standard	CSA C22.2 NO 158
B - CSA Nominal Voltage U_N	600 V
B - CSA Nominal Current I_N	140 A
B - CSA Wire Min	14 AWG
B - CSA Wire Max	1 AWG
C - CSA Nominal Voltage U_N	600 V
C - CSA Nominal Current I_N	140 A
C - CSA Wire Min	14 AWG
C - CSA Wire Max	1 AWG
ATEX Standard	EN-60079-7
ATEX Nominal Voltage U_N	630 V
ATEX Nominal Current I_N	125 A
ATEX Cross Section Solid Min.	10 mm ²
ATEX Cross Section Solid Max.	35 mm ²
ATEX Cross Sec. Flexible Min.	10 mm ²
ATEX Cross Sec. Flexible Max.	35 mm ²

Product Accessories

Partition Plate				
KBZF	Height Width Length	65.00 mm 1.50 mm 65.00 mm	2.56 inch 0.06 inch 2.56 inch	
Cover Profile				
PCK3	Height Width Thickness	28.00 mm 58.35 mm 1.00 mm	1.10 inch 2.30 inch 0.04 inch	
Cover Profile Carrier				
UHDD	Height Thickness Length	74.50 mm 1.50 mm 55.82 mm	2.93 inch 0.06 inch 2.20 inch	
End Clamp				
DCKN	Height Width Length	33.00 mm 6.00 mm 43.50 mm	1.30 inch 0.24 inch 1.71 inch	
DCKN10	Height Width Length	33.00 mm 10.00 mm 43.50 mm	1.30 inch 0.39 inch 1.71 inch	
SCKN	Height Width Length	35.50 mm 8.00 mm 50.60 mm	1.40 inch 0.31 inch 1.99 inch	
SCUDD	Height Width Length	50.00 mm 10.00 mm 55.50 mm	1.97 inch 0.39 inch 2.19 inch	
SCUN	Height Width Length	35.50 mm 9.50 mm 50.60 mm	1.40 inch 0.37 inch 1.99 inch	
SCUSL	Height Width Length	41.00 mm 8.00 mm 47.50 mm	1.61 inch 0.31 inch 1.87 inch	

Fixed Bridge				
CCLA35K				
Switching Jumper				
LSR35K				
RSL35K				
Marker For Terminal Blocks				
LABEL KN17	Width	17.00 mm	0.67 inch	
Warning Label				
WL35				
Marker carriers				
DCKNMLH	Height Width Length	45.50 mm 6.00 mm 43.50 mm	1.79 inch 0.24 inch 1.71 inch	
SCKNMLH	Height Width Length	45.50 mm 8.00 mm 48.00 mm	1.79 inch 0.31 inch 1.89 inch	
SCUNMLH	Height Width Length	53.50 mm 8.00 mm 50.60 mm	2.11 inch 0.31 inch 1.99 inch	
DIN Rail Perforated				
CHKDS	Height Width Thickness	15.00 mm 35.00 mm 1.50 mm	0.59 inch 1.38 inch 0.06 inch	

DIN Rail Perforated				
CHKS	Height Width Thickness	7.50 mm 35.00 mm 1.00 mm	0.30 inch 1.38 inch 0.04 inch	
CHS	Height Width Thickness	15.00 mm 32.00 mm 1.50 mm	0.59 inch 1.26 inch 0.06 inch	

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

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