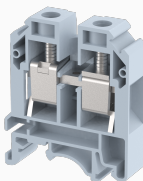


KUT16 - Product Details

General Information

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

Product Data

Product Name	KUT16
Product Image	
Line Diagram	
Short Description	Feed Through Terminal Block - Screw Connection
Full Description	Terminal Type - KUT16 , Feed-through terminal block, nominal voltage: 1000 V, nominal current: 76 A, connection method: Screw connection, number of connections: 2, cross section: 6 mm ² - 25 mm ² , AWG: 12 - 3, width: 12 mm , length: 44.5 mm , hight : 52 mm , mounting type: TS35/7.5 , TS35/15 , and TS32
Approvals	        
Standard Colour	Gray
Colour Variants	Black , Blue , Green , Khakhi , Red , Yellow ,
Your Advantages	The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the rated cross section .Universal foot for mounting on NS 32 and NS 35 DIN rails.

Key Commercial Data

Standard Weight	1.35 Kg
Weight per Piece (excluding packing)	25.5 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	16 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	2.43 W
Nominal Current I _N	76 A
Nominal Voltage U _N	1000 V
Open side panel	Yes
Back of the hand protection	Guaranteed
Finger Protection	Guaranteed
Result Of Surge Voltage Test	Test passed
Surge Voltage Test Setpoint	9.8 kV
Result of power-frequency withstand voltage test	Test passed
Power frequency withstand voltage setpoint	2.2 kV
Result of the test for mechanical stability of terminal points	Test passed
Result of bending test	Test passed
Bending test rotation speed	9
Bending test turns	135
Bending test conductor cross section/weight	6 mm ² / 1.4 kg , 16 mm ² / 2.9 kg , 25 mm ² / 4.5 kg
Tensile test result	Test passed
Conductor cross section tensile test	6 mm ²
Tractive force setpoint	80 N
Conductor cross section tensile test	16 mm ²
Tractive force setpoint	100 N
Conductor cross section tensile test	25 mm ²
Tractive force setpoint	135 N
Result of tight fit on support	Test passed
Tight fit on carrier	TS35/7.5 , TS35/15 and TS32
Setpoint	5

Result of voltage-drop test	Test passed
Requirements, voltage drop	$\leq 3.2 \text{ mV}$
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	16 mm^2
Short-time current	1.92 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	12 mm	0.47 inch
End cover width	1.5 mm	0.06 inch
Length	44.5 mm	1.75 inch
Height	52 mm	2.05 inch
Height NS 35/7,5	53 mm	2.09 inch
Height NS 35/15	60.5 mm	2.38 inch
Height NS 32/15	57.4 mm	2.26 inch

Connection Data

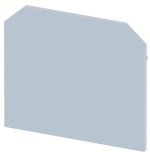
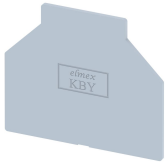
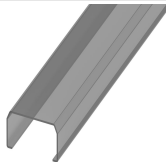
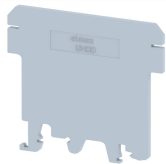
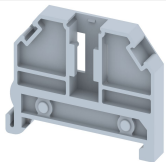
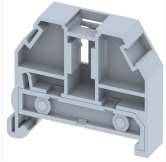
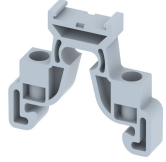
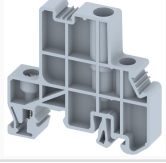
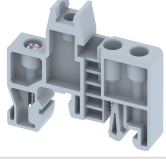
Screw thread	M4
Stripping length	15 mm
Tightening torque, min	1.2 Nm
Tightening torque, max	1.32 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min	6 mm^2
Conductor cross section solid max	25 mm^2
Conductor cross section AWG min, Solid	12
Conductor cross section AWG max, Solid	3
Conductor cross section flexible min	6 mm^2
Conductor cross section flexible max	16 mm^2

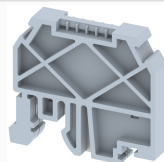
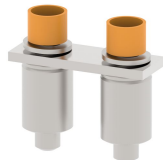
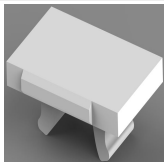
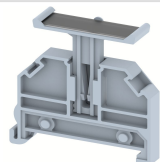
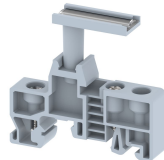
Min. AWG conductor cross section, flexible	12
Max. AWG conductor cross section, flexible	3
Conductor cross section flexible, with ferrule without plastic sleeve min	6 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max	16 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max	16 mm ²
Internal cylindrical Gauge	A7

Approval Details

UL Standard	UL 1059
B - UL Nominal Voltage U _N	600 V
B - UL Nominal Current I _N	100 A
B - UL Wire Min	12 AWG
B - UL Wire Max	3 AWG
C - UL Nominal Voltage U _N	600 V
C - UL Nominal Current I _N	100 A
C - UL Wire Min	12 AWG
C - UL Wire Max	3 AWG
CSA Standard	CSA 22.2 NO 158
B - CSA Nominal Voltage U _N	600 V
B - CSA Nominal Current I _N	100 A
B - CSA Wire Min	12 AWG
B - CSA Wire Max	3 AWG
C - CSA Nominal Voltage U _N	600 V
C - CSA Nominal Current I _N	100 A
C - CSA Wire Min	12 AWG
C - CSA Wire Max	3 AWG
ATEX Standard	EN-60079-7
ATEX Nominal Voltage U _N	630 V
ATEX Nominal Current I _N	76 A
ATEX Cross Section Solid Min.	6 mm ²
ATEX Cross Section Solid Max.	25 mm ²
ATEX Cross Sec. Flexible Min.	6 mm ²
ATEX Cross Sec. Flexible Max.	16 mm ²

Product Accessories

End Cover				
KPY	Height Width Length	41.50 mm 1.50 mm 42.00 mm	1.63 inch 0.06 inch 1.65 inch	
Partition Plate				
KBY	Height Width Length	48.00 mm 1.50 mm 56.00 mm	1.89 inch 0.06 inch 2.20 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	

End Clamp					
SCUSL	Height Width Length	41.00 mm 8.00 mm 47.50 mm	1.61 inch 0.31 inch 1.87 inch		
Fixed Bridge					
CCLA16					
Switching Jumper					
LSR10-16					
RSL16					
Marker For Terminal Blocks					
LABEL KN12	Width	12.00 mm	0.47 inch		
Warning Label					
WL16					
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	
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	