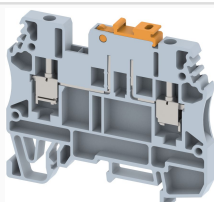
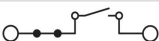


DUTKD2.5 - Product Details

General Information

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

Product Data

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

Key Commercial Data

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

Technical Data - General

Number of levels	1
Number of connections	2
Potentials	1

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

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

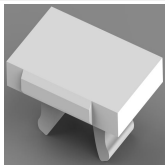
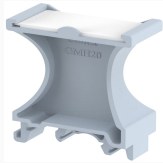
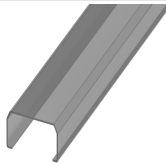
Dimensions

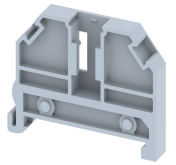
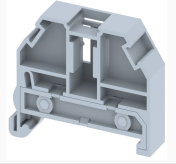
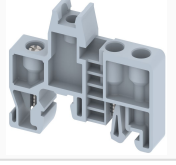
Width	6 mm	0.24 inch
End cover width	1.5 mm	0.06 inch
Length	65 mm	2.56 inch
Height	56 mm	2.2 inch
Height NS 35/7,5	57.1 mm	2.25 inch
Height NS 35/15	64.3 mm	2.53 inch

Connection Data

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

Product Accessories

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

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

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

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

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