

ET50 - Product Details

General Information

Company	Elmex Group
Product Category	Terminal Blocks
Product Group	Ground Terminal Blocks
Connection Method	Screw Connection

Product Data

Product Name	ET50
Product Image	
Line Diagram	
Short Description	Ground modular terminal block - Screw Connection
Full Description	Terminal Type - ET50 , Ground modular terminal block , connection method: Screw connection, number of connections: 2, cross section: 16 mm ² - 50 mm ² , width: 20.5 mm , length: 71 mm , height : 76 mm , mounting type: NS 35/7.5, NS 35/15 , NS 32/15
Approvals	
Standard Colour	Green-Yellow
Colour Variants	

Key Commercial Data

Standard Weight	1.94 Kg
Weight per Piece (excluding packing)	183.8 g
Packing Unit	10 pc
Minimum Order Quantity	10 pc
GTIN Number	85389000
Country Of Origin	INDIA

Technical Data - General

Number of levels	1
Number of connections	2

Nominal cross section	50 mm ²
Insulating Material	Polyamide 6 , 6
Clamping Material	CRCA
Flammability rating acc. to UL 94	V0/V2
Area of application	
Degree of pollution	3
Overvoltage category	III
Open side panel	No
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	16 mm ² / 2.9 kg , 50 mm ² / 9.5 kg
Tensile test result	Test passed
Conductor cross section tensile test	16 mm ²
Tractive force setpoint	100 N
Conductor cross section tensile test	50 mm ²
Tractive force setpoint	236 N
Result of tight fit on support	Test passed
Tight fit on carrier	NS 32/NS 35
Setpoint	10
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	50 mm ²
Short-time current	6 kA

Dimensions

Width	20.5 mm	0.81 inch
Length	71 mm	2.8 inch
Height	76 mm	2.99 inch
Height NS 35/7,5	76.3 mm	3 inch
Height NS 35/15	83.3 mm	3.28 inch
Height NS 32/15	80.7 mm	3.18 inch

Connection Data

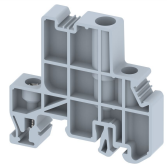
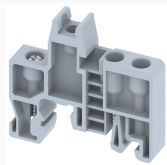
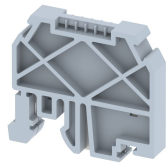
Screw thread	M6
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Stripping length	20 mm
Tightening torque, min	8 Nm
Tightening torque, max	8.8 Nm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid min	16 mm ²
Conductor cross section solid max	50 mm ²
Conductor cross section flexible min	16 mm ²
Conductor cross section flexible max	50 mm ²

Approval Details

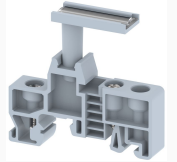





ATEX Cross Section Solid Min.	16 mm ²
ATEX Cross Section Solid Max.	50 mm ²
ATEX Cross Sec. Flexible Min.	16 mm ²
ATEX Cross Sec. Flexible Max.	50 mm ²

Product Accessories

End Clamp				
SCUDD	Height	50.00 mm	1.97 inch	
	Width	10.00 mm	0.39 inch	
	Length	55.50 mm	2.19 inch	
SCUN	Height	35.50 mm	1.40 inch	
	Width	9.50 mm	0.37 inch	
	Length	50.60 mm	1.99 inch	
SCUSL	Height	41.00 mm	1.61 inch	
	Width	8.00 mm	0.31 inch	
	Length	47.50 mm	1.87 inch	

Marker For Terminal Blocks				
LABEL KN17	Width	17.00 mm	0.67 inch	

Marker carriers				
SCKNMLH	Height	45.50 mm	1.79 inch	
	Width	8.00 mm	0.31 inch	
	Length	48.00 mm	1.89 inch	

Marker carriers				
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	