

ENTRELEC TERMINAL BLOCKS

COMPACT POWER BLOCKS - CBS50-2P

Screw Clamp Technology

50 mm² (1/0 AWG) , Single pole 1000 VAC/DC (IEC/UL), 150 A

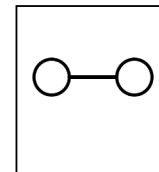
INTRODUCTION

The compact terminal blocks cover a wide variety of applications from mechanical engineering, industrial equipment, automation to wind turbines, solar energy or switchgears. They offer cost, weight and space savings from enhanced aluminum body and compact design.

The range offers connection capacity from 50 mm² to 300 mm² and TS35 rail or panel mount.

FEATURES

- Screw-clamp technology
- 50 mm² (1/0 AWG)
- 1000V AC/DC - IEC/UL rated
- Current rating 150 A (IEC/UL)
- Single pole
- 6 colors (grey, blue, green, black, brown, red)
- Aluminum tin plated body
- Panel and Din-rail mounting



Approvals

IEC 60947-7-1

IEC 61238-1 (Class A)

UL-1059

UL 486E

CSA C22.2 No.158-10



Conformity

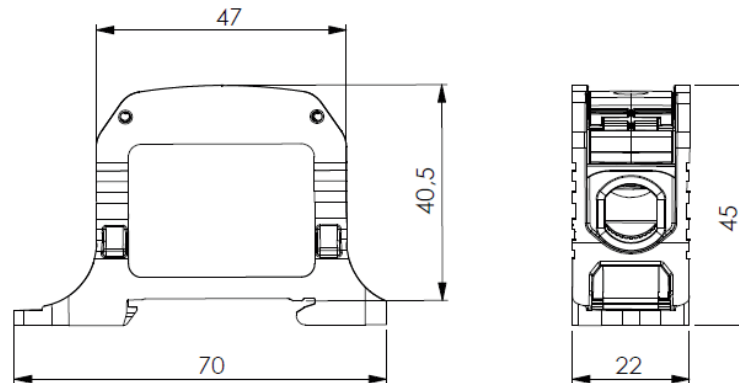


COMPACT POWER BLOCKS - CBS50-2P

MAIN TECHNICAL DATA

Remarks:	The product is compliant with the EC ROHSdirectives																																																																	
Standards:	IEC 60947-7-1, IEC 61238-1	UL 1059, CSA-C22.2 No. 158																																																																
																																																																		
Nominal Voltage:	1.000 V AC / 1.000 V DC	1.000 V AC																																																																
Nominal current:	Cu 150 A, Al 150 A	Cu 150 A, Al 120 A																																																																
Rated cross-section:	50 mm²	AWG 1/0																																																																
Impulse withstand voltage:	8 kV																																																																	
Pollution degree:	3																																																																	
Surge voltage category:	III																																																																	
CTI value:	550	550																																																																
Terminal cross section:	<table><tr><td rowspan="3"></td><td colspan="4">no. of connections: 2 x 50 mm² (all conductor types)</td></tr><tr><td colspan="2">IEC 60947-7-1</td><td colspan="2">IEC 61238-1</td></tr><tr><td colspan="2">Cu</td><td colspan="2">Al</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td>50 mm²</td><td>10 Nm</td><td>-</td><td>14 Nm</td><td></td></tr><tr><td>35 mm²</td><td></td><td>10 Nm</td><td></td><td></td></tr><tr><td>25 mm²</td><td>8 Nm</td><td>8 Nm</td><td>12 Nm</td><td></td></tr><tr><td>16 mm²</td><td></td><td></td><td>10 Nm</td><td></td></tr><tr><td>10 mm²</td><td>6 Nm</td><td>6 Nm</td><td></td><td></td></tr><tr><td>6 mm²</td><td></td><td></td><td></td><td></td></tr><tr><td>4 mm²</td><td>-</td><td></td><td></td><td></td></tr><tr><td>stripping length</td><td colspan="4">16 mm</td></tr><tr><td>allen screw</td><td colspan="4">M10 (SW 5 mm)</td></tr></table>				no. of connections: 2 x 50 mm² (all conductor types)				IEC 60947-7-1		IEC 61238-1		Cu		Al							50 mm²	10 Nm	-	14 Nm		35 mm²		10 Nm			25 mm²	8 Nm	8 Nm	12 Nm		16 mm²			10 Nm		10 mm²	6 Nm	6 Nm			6 mm²					4 mm²	-				stripping length	16 mm				allen screw	M10 (SW 5 mm)			
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allen screw	M10 (SW 5 mm)																																																																	
	 solid	 compact stranded	 fine stranded with ferrule																																																															
Materials:	Terminal body: Aluminium tin plated Housing: PA 6 (Halogen-free) Screws: Steel zinc plated																																																																	
Flame resistance:	Self-extinguishing																																																																	
Mechanical data:	Dimensions: width x height x depth (mm): 22 x 45 x 70																																																																	
Protection degree:	IP20																																																																	

Dimensions (mm)



ORDERING DETAILS

Description	Color	Type	Part Number	Pkg qty Std/box	Weight 1 Piece (g)	EAN/UPC codes
50 mm ² Single pole	Grey -RAL7035	 CBS50-2P	1SNF516011R0000	9/72	46	3472599057685
	Grey/Blue -RAL7035/5012	 CBS50-2P-BL	1SNF516021R0000			3472599057692
	Grey/Green -RAL7035/6018	 CBS50-2P-GR	1SNF516031R0000			3472599057708
	Grey/Brown -RAL7035/8003	 CBS50-2P-BR	1SNF516041R0000			3472598016478
	Grey/Black -RAL7035/9005	 CBS50-2P-BK	1SNF516051R0000			3472598016485
	Grey/Red -RAL7035/3020	 CBS50-2P-RD	1SNF516061R0000			3472598016492
CBS50-IP20 Cover	Grey -RAL7035	 CBS50- Cover	1SNF916710R0000	54/972	2.5	3472599057937
Self-adhesive white label 12x5 mm 120 per card	White	VYT0512	1SNA235837R0000	20 cards/ pack	10 (per card)	3472599021761

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INDUSTRIAL / ENTRELEC COMPACT POWER BLOCKS CBS95-2P/DATASHEET/ EN

07/24

TE Connectivity

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