

ENTRELEC TERMINAL BLOCKS

COMPACT POWER BLOCKS - CBS300-2P

Screw Clamp Technology

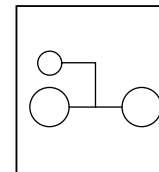
300 mm² (600 Kcmil) , Single pole 1000 VAC/DC (IEC/UL), 520 A

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
- 300 mm² (600 Kcmil)
- 1000V AC/DC - IEC/UL rated
- Current rating 520 A (IEC/UL)
- Single pole
- 6 colors (grey, blue, green, black, brown, red)
- Aluminum tin plated body
- Panel and Din-rail mounting
- One extra measurement connection 10 mm² (8 AWG)



Approvals

IEC 60947-7-1
IEC 61238-1 (Class A)
UL-1059
UL 486E
CSA C22.2 No.158-10



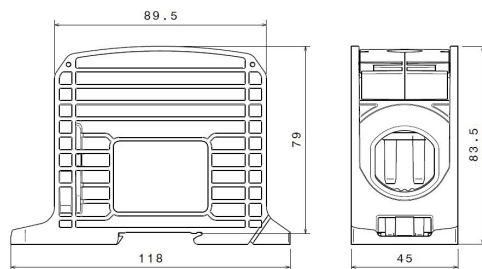
Conformity



COMPACT POWER BLOCKS - CBS300-2P

MAIN TECHNICAL DATA

Remarks:	The product is compliant with the EC ROHS directives			UL 1059, CSA-C22.2 No. 158																																																																								
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 520 A			Cu 420 A, Al 340 A																																																																								
Rated cross-section:	300 mm²			600 Kcmil																																																																								
Impulse withstand voltage:	8 kV																																																																											
Pollution degree:	3																																																																											
Surge voltage category:	III																																																																											
CTI value:	550			550																																																																								
Terminal cross section:	<table><tr><td rowspan="4"></td><td colspan="3">no. of connections: 2 x 300 mm² (all conductor types)</td></tr><tr><td colspan="2">IEC 60947-7-1</td><td>IEC 61238-1</td></tr><tr><td colspan="2">Cu</td><td>Al</td></tr><tr><td></td><td></td><td></td></tr><tr><td>300 mm²</td><td rowspan="4">45 Nm</td><td>-</td><td rowspan="4">-</td></tr><tr><td>240 mm²</td></tr><tr><td>185 mm²</td></tr><tr><td>150 mm²</td></tr><tr><td>120 mm²</td><td rowspan="4">-</td><td rowspan="4">30 Nm</td><td rowspan="4">-</td></tr><tr><td>95 mm²</td></tr><tr><td>70 mm²</td></tr><tr><td>50 & 35 mm²</td></tr><tr><td>stripping length</td><td colspan="3">34 mm</td></tr><tr><td>allen screw</td><td colspan="3">M124 (SW 12 mm)</td></tr></table>				no. of connections: 2 x 300 mm² (all conductor types)			IEC 60947-7-1		IEC 61238-1	Cu		Al				300 mm²	45 Nm	-	-	240 mm²	185 mm²	150 mm²	120 mm²	-	30 Nm	-	95 mm²	70 mm²	50 & 35 mm²	stripping length	34 mm			allen screw	M124 (SW 12 mm)			<table><tr><td rowspan="4"></td><td colspan="3">no. of connections: 2 x 6000 Kcmil (all conductor types)</td></tr><tr><td colspan="3">UL 1059, CSA-C22.2 No. 158</td></tr><tr><td colspan="2">Cu</td><td>Al</td></tr><tr><td></td><td></td><td></td></tr><tr><td>600 kcmil</td><td rowspan="4">33.9 Nm</td><td>-</td><td rowspan="4">65 Nm</td></tr><tr><td>500 kcmil</td></tr><tr><td>350 kcmil</td></tr><tr><td>300 kcmil</td></tr><tr><td>250 kcmil</td><td rowspan="4">-</td><td rowspan="4">-</td><td rowspan="4">-</td></tr><tr><td>AWG 3/0</td></tr><tr><td>AWG 2/0</td></tr><tr><td>AWG 1/0 & AWG2</td></tr><tr><td>stripping length</td><td colspan="3">34 mm</td></tr><tr><td>allen screw</td><td colspan="3">M24 (SW 12 mm)</td></tr></table>				no. of connections: 2 x 6000 Kcmil (all conductor types)			UL 1059, CSA-C22.2 No. 158			Cu		Al				600 kcmil	33.9 Nm	-	65 Nm	500 kcmil	350 kcmil	300 kcmil	250 kcmil	-	-	-	AWG 3/0	AWG 2/0	AWG 1/0 & AWG2	stripping length	34 mm			allen screw	M24 (SW 12 mm)		
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	 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): 45 x 83,5 x 118																																																																											
Protection degree:	IP20																																																																											



Dimensions (mm)

ORDERING DETAILS

Description	Color	Type	Part Number	Pkg qty Std/box	Weight 1 Piece (g)	EAN/UPC codes
300 mm ² Single pole	Grey -RAL7035	 CBS300-2P	1SNF546011R0000	1/12	346	3472599057890
	Grey/Blue -RAL7035/5012	 CBS300-2P-BL	1SNF546021R0000			3472599057913
	Grey/Green -RAL7035/6018	 CBS300-2P-GR	1SNF546031R0000			3472598016690
	Grey/Brown -RAL7035/8003	 CBS300-2P-BR	1SNF546041R0000			3472598016706
	Grey/Black -RAL7035/9005	 CBS300-2P-BK	1SNF546051R0000			3472598016713
	Grey/Red -RAL7035/3020	 CBS300-2P-RD	1SNF546061R0000			3472598016720
CBS300 IP20 Cover	Grey -RAL7035	 CB300- Cover	1SNF946710R0000	8/144	13	3472599057999
Self-adhesive Rigid white label 17x9 mm 60 per card	White	TAA0917	1SNA235776R0000	18 cards/pack	16,7 (per card)	3472599021105

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

07/24

TE Connectivity

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