















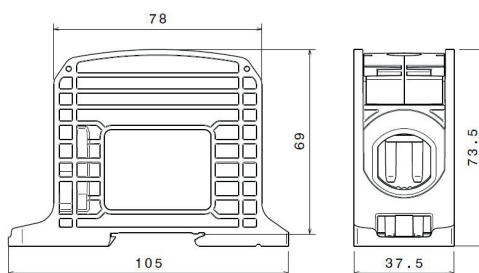


Technical data

Description:	Terminal block RKA 185
Construction:	Fingersafe IP 20
Item no. :	087810

11.12.2017

Remarks:	The product is compliant with the EC ROHS directives																																																																																			
Standards:	IEC 60947-7-1	UL 1059, CSA-C22.2 No. 158																																																																																		
	  																																																																																			
Nominal Voltage:	1.000 V AC / 1.000 V DC	600 V AC																																																																																		
Nominal current:	Cu 353 A	Cu 310 A, Al 250 A																																																																																		
Rated cross-section:	185 mm ²	350 kcmil																																																																																		
Impulse withstand voltage:	8 kV																																																																																			
Pollution degree:	3																																																																																			
Surge voltage category:	III																																																																																			
CTI value:	550	550																																																																																		
Terminal cross section:	<table border="1"> <tr> <th colspan="3">no. of connections: 2 x 185 mm² (all conductor types)</th> </tr> <tr> <th colspan="3">IEC 60947-7-1</th> </tr> <tr> <th></th> <th colspan="2">Cu</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>185 mm²</td> <td></td> <td>-</td> </tr> <tr> <td>150 mm²</td> <td rowspan="2">25 Nm</td> <td rowspan="2">25 Nm</td> </tr> <tr> <td>120 mm²</td> </tr> <tr> <td>95 mm²</td> <td></td> <td></td> </tr> <tr> <td>70 mm²</td> <td></td> <td></td> </tr> <tr> <td>50 mm²</td> <td></td> <td>20 Nm</td> </tr> <tr> <td>35 mm²</td> <td></td> <td></td> </tr> <tr> <td>25 mm²</td> <td></td> <td></td> </tr> <tr> <td>stripping length</td> <td colspan="2">29 mm</td> </tr> <tr> <td>allen screw</td> <td colspan="2">M18 (SW 10 mm)</td> </tr> </table>		no. of connections: 2 x 185 mm ² (all conductor types)			IEC 60947-7-1				Cu					185 mm ²		-	150 mm ²	25 Nm	25 Nm	120 mm ²	95 mm ²			70 mm ²			50 mm ²		20 Nm	35 mm ²			25 mm ²			stripping length	29 mm		allen screw	M18 (SW 10 mm)		<table border="1"> <tr> <th colspan="3">no. of connections: 2 x 350 kcmil (all conductor types)</th> </tr> <tr> <th colspan="3">UL 1059, CSA-C22.2 No. 158</th> </tr> <tr> <th></th> <th>Cu</th> <th>Al</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>350 kcmil</td> <td></td> <td></td> </tr> <tr> <td>300 kcmil</td> <td rowspan="2">28,2 Nm</td> <td rowspan="2">45 Nm</td> </tr> <tr> <td>250 kcmil</td> </tr> <tr> <td>AWG 3/0</td> <td></td> <td></td> </tr> <tr> <td>AWG 2/0</td> <td></td> <td></td> </tr> <tr> <td>AWG 1/0</td> <td></td> <td></td> </tr> <tr> <td>AWG 2</td> <td></td> <td></td> </tr> <tr> <td>AWG 4</td> <td></td> <td></td> </tr> <tr> <td>stripping length</td> <td colspan="2">29 mm</td> </tr> <tr> <td>allen screw</td> <td colspan="2">M18 (SW 10 mm)</td> </tr> </table>		no. of connections: 2 x 350 kcmil (all conductor types)			UL 1059, CSA-C22.2 No. 158				Cu	Al				350 kcmil			300 kcmil	28,2 Nm	45 Nm	250 kcmil	AWG 3/0			AWG 2/0			AWG 1/0			AWG 2			AWG 4			stripping length	29 mm		allen screw	M18 (SW 10 mm)	
no. of connections: 2 x 185 mm ² (all conductor types)																																																																																				
IEC 60947-7-1																																																																																				
	Cu																																																																																			
																																																																																				
185 mm ²		-																																																																																		
150 mm ²	25 Nm	25 Nm																																																																																		
120 mm ²																																																																																				
95 mm ²																																																																																				
70 mm ²																																																																																				
50 mm ²		20 Nm																																																																																		
35 mm ²																																																																																				
25 mm ²																																																																																				
stripping length	29 mm																																																																																			
allen screw	M18 (SW 10 mm)																																																																																			
no. of connections: 2 x 350 kcmil (all conductor types)																																																																																				
UL 1059, CSA-C22.2 No. 158																																																																																				
	Cu	Al																																																																																		
																																																																																				
350 kcmil																																																																																				
300 kcmil	28,2 Nm	45 Nm																																																																																		
250 kcmil																																																																																				
AWG 3/0																																																																																				
AWG 2/0																																																																																				
AWG 1/0																																																																																				
AWG 2																																																																																				
AWG 4																																																																																				
stripping length	29 mm																																																																																			
allen screw	M18 (SW 10 mm)																																																																																			
Measurement connection:	<table border="1"> <tr> <th colspan="3">no. of connections: 1 x 10 mm² (all conductor types)</th> </tr> <tr> <td>10 mm²</td> <td></td> <td></td> </tr> <tr> <td>6 mm²</td> <td rowspan="2">1,2 Nm</td> <td rowspan="2">1,2 Nm</td> </tr> <tr> <td>4 mm²</td> </tr> <tr> <td>2,5 mm²</td> <td></td> <td></td> </tr> <tr> <td>1,5 mm²</td> <td></td> <td></td> </tr> <tr> <td>stripping length</td> <td colspan="2">10 mm</td> </tr> <tr> <td>screw</td> <td colspan="2">M4 (+/- PZ2)</td> </tr> </table>		no. of connections: 1 x 10 mm ² (all conductor types)			10 mm ²			6 mm ²	1,2 Nm	1,2 Nm	4 mm ²	2,5 mm ²			1,5 mm ²			stripping length	10 mm		screw	M4 (+/- PZ2)		<table border="1"> <tr> <th colspan="3">no. of connections: 1 x AWG 8 (all conductor types)</th> </tr> <tr> <td>AWG 8</td> <td></td> <td></td> </tr> <tr> <td>AWG 10</td> <td rowspan="2">2,3 Nm</td> <td rowspan="2">2,3 Nm</td> </tr> <tr> <td>AWG 12</td> </tr> <tr> <td>AWG 14</td> <td></td> <td></td> </tr> <tr> <td>AWG 16</td> <td></td> <td></td> </tr> <tr> <td>stripping length</td> <td colspan="2">10 mm</td> </tr> <tr> <td>screw</td> <td colspan="2">M4 (+/- PZ2)</td> </tr> </table>		no. of connections: 1 x AWG 8 (all conductor types)			AWG 8			AWG 10	2,3 Nm	2,3 Nm	AWG 12	AWG 14			AWG 16			stripping length	10 mm		screw	M4 (+/- PZ2)																																					
no. of connections: 1 x 10 mm ² (all conductor types)																																																																																				
10 mm ²																																																																																				
6 mm ²	1,2 Nm	1,2 Nm																																																																																		
4 mm ²																																																																																				
2,5 mm ²																																																																																				
1,5 mm ²																																																																																				
stripping length	10 mm																																																																																			
screw	M4 (+/- PZ2)																																																																																			
no. of connections: 1 x AWG 8 (all conductor types)																																																																																				
AWG 8																																																																																				
AWG 10	2,3 Nm	2,3 Nm																																																																																		
AWG 12																																																																																				
AWG 14																																																																																				
AWG 16																																																																																				
stripping length	10 mm																																																																																			
screw	M4 (+/- PZ2)																																																																																			
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):	37,5 x 73,5 x 105																																																																																	



Design

Basic housing colour – light grey RAL 7035

Part no.	Design	Cover colour	PU	GTIN (EAN)
087810-0-3	L G	light grey RAL 7035	1 / 12	4051589878104
087810-1-3	N	light blue RAL 5012	1 / 12	4051589878111
087810-2-3	PE	yellow-green RAL 6018	1 / 12	4051589878128
087810-3-3	LB	clay brown RAL 8003	1 / 12	4051589878135
087810-4-3	LS	jet black RAL 9005	1 / 12	4051589878142