

Data Sheet for Article: IKA21516--

Aluminium / Copper terminal, 1-pole Double grey, 185mm²

for copper conductors according to IEC 60947-7-1 and UL 1059, CSA-C22.2 No. 158, for aluminum conductors according to UL 1059, CSA-C22.2 No. 158, note maintenance instructions



Schrack Info

- Distribution block for connecting Al and Cu conductors
- 50mm² up to 300mm² models available
- When using aluminium conductors the common practices for installation must be observed
- Adjust the contact clamps after 6-8 weeks
- Aluminum-terminals for solid round conductors (RE), multi-wire conductors (RM), fine-stranded conductors with end ferrules and also sector conductors (SE and SM)

Technical Data

Netto depth (mm)	73,50
Net width (mm)	67,60
Net weight (kg)	0,03
EAN	9004840594904
Power loss (W)	3,20
Min. ambient temperature (°C)	-25

Technical Data - continued

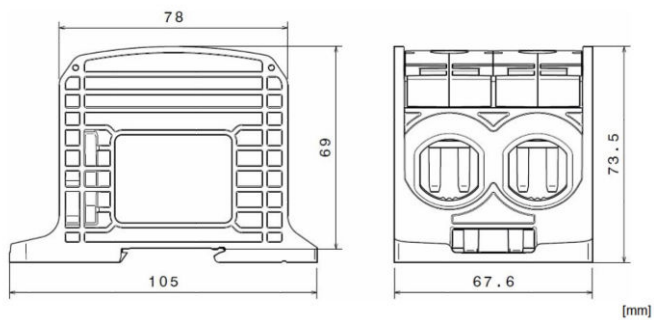
Max. ambient temperature (°C)	80
Basic Description	Terminal

Datei Tabelle: Aluminium / Copper terminal, 1-pole Double grey, 185mm²

Standards:	IEC 60947-7-1			
Nominal voltage:	1.000VAC/1.000VDC			
Nominal current:	Cu 353A Geprüft durch SGS Fimko Ltd			
Rated cross-section:	185mm ²			
Impulse withstand voltage:	8kV			
Impulse withstand voltage:	3			
Surge voltage category:	III			
CTI value:	550			
Terminal cross section:	no. of connections: 4 x 185mm ² (all conductor types)			
	IEC 60947-7-1			
	Cu			
	compact stranded		fine stranded with ferrule	
	185mm ²	25Nm	/	
	150mm ²		25Nm	
	120mm ²			
	95mm ²			
	70mm ²	/	20Nm	
	50mm ²			
	35mm ²			
	25mm ²			
stripping length	29mm			
allen screw	M18 (SW 10mm)			
Measurement connection:	no. of connections: 2 x 10 mm ² (all conductor types)			
	10mm ²	1,2Nm	/	
	6mm ²		1,2Nm	
	4mm ²			
	2,5mm ²			
	1,5mm ²			
	stripping length	10mm		
	screw	M4 (+/-PZ2)		
	Materials:	Terminal body:	Aluminium	tin plated
		Housing:	PA 6 (Halogen-free)	
		Screws:	Steel	zinc plated
	Flame resistance:	Self-extinguishing		
Construction:	Fingersafe IP 20			

Datei Tabelle: Aluminium /Copper terminal, 1-pole Double grey, 185mm²

Standards:	IEC 60947-7-1				UL 1059, CSA-C22.2 No. 158			
Nominal voltage:	1.000VAC/1.000VDC				1.000 V AC			
Nominal current:	Cu 353A checked with SGS Fimko Ltd				Cu 310 A, Al 250 A			
Rated cross-section:	185mm2				350 kcmil			
Impulse withstand voltage:	8kV							
Pollution degree:	3							
Surge voltage category:	III							
CTI value:	550				550			
Terminal cross section:		no. of connections: 2 x 185 mm² (all conductor types)			no. of connections: 2 x 350 kcmil (all conductor types)			
		IEC 60947-7-1			UL 1059, CSA-C22.2 No. 158			
		Cu			Cu		Al	
		compact stranded	fine stranded with ferrule		compact stranded	fine stranded with ferrule	compact stranded	
		185mm2	25Nm	-	350 kcmil	28,2Nm	-	45Nm
150mm2	25Nm							
120mm2								
95mm2								
70mm2	-	20Nm	AWG 2/0	-	-	-		
50mm2			AWG 1/0					
35mm2			AWG 2					
25mm2			AWG 4					
stripping length	29 mm		stripping length	29 mm				
allen screw	M18 (SW 10 mm)		allen screw	M18 (SW 10 mm)				
Measurement connection:		no. of connections: 1 x 10 mm² (all conductor types)			no. of connections: 1 x AWG8 (all conductor types)			
		10mm2	1,2Nm	-	AWG 8	2,3Nm	-	-
		6mm2		1,2Nm	AWG 10			
		4mm2			AWG 12			
		2,5mm2			AWG 14			
		1,5mm2	-		AWG 16	-		
		stripping length	10mm		stripping length	10 mm		
		screw	M4 (+/-PZ2)		screw	M4 (+/- PZ2)		
Materials:	Terminal body:	Aluminium				tin plated		
	Housing:	PA 6 (Halogen-free)						
	Screws:	Steel				zinc plated		
Flame resistance:		Self-extinguishing						

**Dimensioned drawing: Aluminium / Copper terminal, 1-pole Double grey,
185mm²**

Article Table

DESCRIPTION	Order No.
Aluminium /Copper terminal, 1-pole Double grey, 185mm ² for copper conductors according to IEC 60947-7-1 and UL 1059, CSA-C22.2 No. 158, for aluminum conductors according to UL IKA21516 1059, CSA-C22.2 No. 158, note maintenance instructions	
Necessary Accessories	
Contact grease, acid protection acid for Al-conductors 200g 200g tube, Calium fat DIN 51825 K 2 C-40, e.g. for the processing of aluminum	IKAP0200
Optional Accessories	
Aluminium /Copper terminal 185mm ² dust cover for copper conductors according to IEC 60947-7-1 and UL 1059, CSA-C22.2 No. 158, for aluminum conductors according to UL IKA21519 1059, CSA-C22.2 No. 158, note maintenance instructions	