

Data Sheet for Article: IKA21750--

Aluminium / Copper terminal, 1-pole black, 300mm²

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)	79,00
Net width (mm)	37,50
Net weight (kg)	0,03
EAN	9004840595000
Power loss (W)	4,00
Min. ambient temperature (°C)	-25

Technical Data - continued

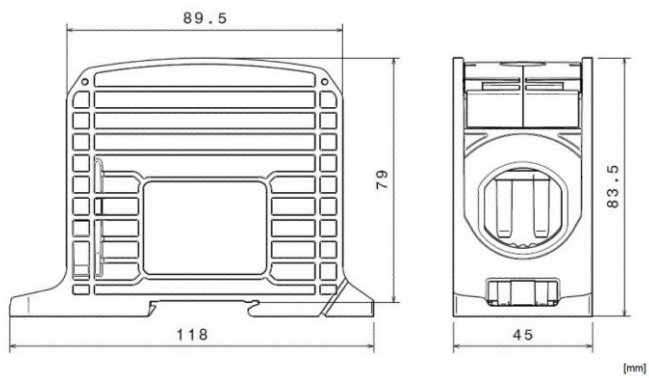
Max. ambient temperature (°C)	80
Basic Description	Terminal

Datei Tabelle: Aluminium /Copper terminal, 1-pole black, 300mm²

Standards:	IEC 60947-7-1			
Nominal voltage:	1.000VAC/1.000VDC			
Nominal current:	Cu 353A checked with SGS Fimko Ltd			
Rated cross-section:	300mm ²			
Impulse withstand voltage:	8kV			
Pollution degree:	3			
Surge voltage category:	III			
CTI value:	550			
Terminal cross section:	no. of connections: 2 x 300mm ² (all conductor types)			
	IEC 60947-7-1			
	Cu			
	compact stranded	fine stranded with ferrule		
	300mm ²	/		
	240mm ²	45Nm		
	185mm ²			
	150mm ²			
	120mm ²	30Nm		
	95mm ²			
	70mm ²			
	50mm ²			
	35mm ²			
stripping length	34mm			
allen screw	M24 (SW 12mm)			
Measurement connection:	no. of connections: 1 x 10mm ² (all conductor types)			
	10mm ²	/		
	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 black, 300mm²

Standards:	Zulassung nach IEC 60947-7-1				UL 1059, CSA-C22.2 No. 158				
Nominal voltage:	1.000VAC/1.000VDC				1.000 VAC				
Nominal current:	Cu 520A Geprüft durch SGS Fimko Ltd				Cu 420 A, Al 340 A				
Rated cross-section:	300mm2				600 kcmi				
Impulse withstand voltage:	8kV								
Pollution degree:	3								
Surge voltage category:	III								
CTI value:	550				550				
Terminal cross section:		no. of connections: 2 x 300mm ² (all conductor types)			no. of connections: 2 x 600 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			
		300mm2	45Nm	-	600 kcmil	33,9Nm	-	65Nm	
240mm2	45Nm	500 kcmil		33,9Nm					
185mm2		350 kcmil							
150mm2		300 kcmil							
120mm2		-	30Nm		250 kcmil	-	-		
95mm2	AWG 3/0								
70mm2	AWG 2/0								
50mm2& 35mm2	AWG 1/0								
stripping length	34mm		stripping length	34mm					
allen screw	M24 (SW 12mm)		allen screw	M24 (SW 12mm)					
Measurement connection:		no. of connections: 1 x 10mm ² (all conductor types)			no. of connections: 1 x AWG 8 (all conductor types)				
		10mm2	1,2Nm		-	2,3Nm	-	-	
		6mm2			AWG 8				
		4mm2			AWG 10				
		2,5mm2			AWG 12				
		1,5mm2			AWG 14				
		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 retardancy:		Self-extinguishing							

Dimensioned drawing: Aluminium / Copper terminal, 1-pole black, 300mm²

Article Table

DESCRIPTION	Order No.
Aluminium /Copper terminal, 1-pole black, 300mm ² 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	
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 300mm 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 1059, CSA-C22.2 No. 158, note maintenance instructions	