

Data Sheet for Article: IKA21756--

Aluminium / Copper terminal, 1-pole Double 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)	73,50
Net width (mm)	67,60
Net weight (kg)	0,03
EAN	9004840595055
Power loss (W)	4,00
Min. ambient temperature (°C)	-25

Technical Data - continued

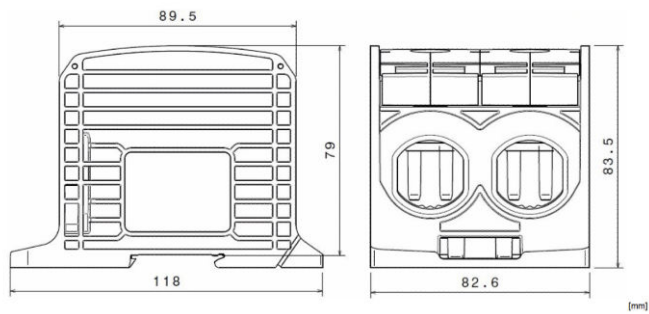
Max. ambient temperature (°C)	80
Basic Description	Terminal

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

Standards:	IEC 60947-7-1			
Nominal voltage:	1.000VAC/1.000VDC			
Nominal current:	Cu 520A 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: 4 x 300mm ² (all conductor types)			
	IEC 60947-7-1			
	Cu			
	compact stranded	fine stranded with ferrule		
	300mm ²	45Nm	/	
	240mm ²			
	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: 2 x 10mm ² (all conductor types)			
	10mm ²	1,2Nm	/	
	6mm ²			
	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	tin plated	
Screws:	Self-extinguishing			
Construction:	Fingersafe IP 20			

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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 Double black,
300mm²**

Article Table

DESCRIPTION	Order No.
Aluminium /Copper terminal, 1-pole Double 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	