

Data Sheet for Article: IKA21720--

Aluminium / Copper terminal, 1-pole blue, 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

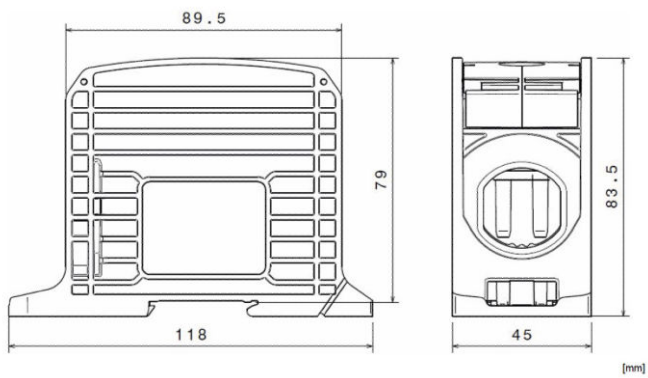
Netto depth (mm)	79,00
Net width (mm)	37,50
Net weight (kg)	0,03
EAN	9004840594973
Power loss (W)	4,00
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	80
Basic Description	Terminal

Datei Tabelle: Aluminium /Copper terminal, 1-pole blue, 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 blue, 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 300mm² (all conductor types) IEC 60947-7-1 Cu				no. of connections: 2 x 600 kcmil (all conductor types)			
					UL 1059, CSA-C22.2 No. 158			
					Cu		Al	
					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 10mm² (all conductor types)				no. of connections: 1 x AWG 8 (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 retardancy:	Self-extinguishing							

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

Article Table

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