

Data Sheet for Article: IKA01490--

Main branch terminal, 1p., 490A, 1x185mm²+ 2x35+ 3x25+ 4x16mm²

Input 1x185mm², Outgoings 2x35 and 3x25mm² and 4x16mm²; for copper conductors according to IEC 60947-7-1 and UL 1059, for aluminum conductors according to UL 1059, note maintenance instructions



Technical Data

Netto depth (mm)	52,70
Net width (mm)	72,50
Net height (mm)	95,00
Net weight (kg)	0,42
EAN	9004840989038
Basic Description	Terminal
Product standard	EN 60947-7-1

IEC specific

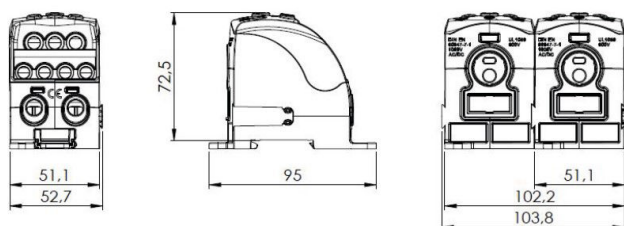
Regulations:	DIN EN 60947-7-1	
Rated voltage:	1000VAC, 1500VDC	
max. electrical load	353A Cu - VDE	
	490A Cu - FI	
Connection cross-sections:		
Input	Cu	
1x	Round conductor Cu (single and stranded conductor)	95 - 185mm²
	Flexible conductor with ferrule	70 - 150mm²
	Internal hexagon	M14
	Tightening torque	19Nm
	Stripping length	27mm
1x	Flat conductor Cu	24 x 10mm
	Internal hexagon x 2	M6
	Tightening torque	3Nm
	Stripping length	22mm
Output	Cu	
2x	Round conductor Cu (single and stranded conductor)	4 - 35mm²
	Flexible conductor with ferrule	2.5 - 25mm²
	Internal hexagon	M8
	Tightening torque	2,5Nm
	Stripping length	18mm
3x	Round conductor Cu (single and stranded conductor)	2.5 - 25mm²
	Flexible conductor with ferrule	1.5 - 16mm²
	Internal hexagon	M6
	Tightening torque	2Nm
	Stripping length	12mm
4x	Round conductor Cu (single and stranded conductor)	1.5 - 16mm²
	Flexible conductor with ferrule	1.5 - 10mm²
	Internal hexagon	M6
	Tightening torque	2Nm
	Stripping length	12mm

Remarks:	The product complies with the ROHS directives of the EG	
Materials:	Clamping body:	Brass(CuZn39Pb2), tin-plated
	Basic housing:	PA 6 (Halogenfree)
	Cover:	PC
	Screws:	Steel, Zn thick-film passivated
Flame retardancy:	Self-extinguishing	
Mechanical values:	Dimensions	Width52,7 x Height72,5 x Depth95 (mm)

UL specific

Regulations:		UL-1059	UL-1059
Rated voltage:		600VAC	600VAC
max. electrical load		310A Cu	250A Al
Connection cross-sections:			
Input		Cu	Al
1x	Round conductor Cu (single and stranded conductor)	000 - 350 AWG	000 - 350 AWG
	Flexible conductor with ferrule	00 - 300 AWG	-
	Internal hexagon	M14	M14
	Tightening torque	25Nm	22.6Nm
	Stripping length	27mm	27mm
1x	Flat conductor Cu	24 x 10mm	-
			-
	Internal hexagon x 2	M6	-
	Tightening torque	3Nm	-
	Stripping length	22mm	-
Output		Cu	Al
2x	Round conductor Cu (single and stranded conductor)	12 - 2 AWG	6 - 2 AWG
	Flexible conductor with ferrule	14 - 4 AWG	-
	Internal hexagon	M8	M8
	Tightening torque	6Nm	11.3Nm
	Stripping length	18mm	18mm
3x	Round conductor Cu (single and stranded conductor)	14 - 4 AWG	6 - 4 AWG
	Flexible conductor with ferrule	16 - 6 AWG	-
	Internal hexagon	M6	M6
	Tightening torque	3Nm	5.1Nm
	Stripping length	12mm	12mm
4x	Round conductor Cu (single and stranded conductor)	16 - 6 AWG	6 AWG
	Flexible conductor with ferrule	16 - 8 AWG	-
	Internal hexagon	M6	M6
	Tightening torque	3Nm	5.1Nm
	Stripping length	12mm	12mm

Dimensioned drawing: Main branch terminal, 1p., 490A, 1x185mm²+ 2x35+ 3x25+ 4x16mm²



Article Table

DESCRIPTION	Order No.
Main branch terminal, 1 p., 490A, 1x185mm ² + 2x35+ 3x25+ 4x16mm ² Input 1x185mm ² , Outgoings 2x35 and 3x25mm ² and 4x16mm ² ; for copper conductors according to IEC 60947-7-1 and UL 1059, for aluminum conductors according to UL 1059, note maintenance instructions	IKA01490
Optional Accessories	
Contact grease, acid protection acide for Al-conductors 200g 200g tube, Calium fat DIN 51825 K 2 C-40, e.g. for the processing of aluminum	IKAP0200