

Technical Data for IKA

	Unit
Electrical	
Versions according to	IEC/EN 62208; IEC/EN 60670-24
Degree of protection	IP65 (IK08) according to EN 60529
Protection class	II, totally insulated
Rated voltage	V 415 AC
Insulation voltage	V 1000 AC, 1500 DC
Max. power loss admitted for all devices installed in the distribution box, at a difference in temperature of 25°K:	
1/4	W 14.7
1/6	W 16.5
1/8	W 18.7
1/12	W 26.0
2/24	W 39.1
3/36	W 49.2
1/18	W 35.3
2/36	W 47.6
3/54	W 59.6
Mechanical	
Material:	
Enclosure	Polycarbonate (Industry), ABS (Professional, Standard)
Door	Polycarbonate
Colour of the enclosure	grey RAL 7035
Colour of the door	transparent; grey RAL 7035
Distance between the rows	mm 150
Support rail for devices	DIN rail 35 x 7.5 mm sheet steel, galvanized
UV resistance	all IKA...-UV resistant according to ISO 4892-2
Type of installation	
IKA-...-UV	Indoor or Outdoor, under canopy, surface-mounted
IKA-...-ST	Indoor, surface-mounted
IKA-...-OT	Indoor, surface-mounted
Halogene-free, RoHs	yes
Pre-punched metric areas	
IKA-1/4...., IKA-1/6....	Top: 2xM25 + 1xM40 Bottom: 2xM25 + 1xM40 Rear panel: 2x(2xM25)
IKA-1/8....	Top: 4xM25 + 1xM40 Bottom: 4xM25 + 1xM40 Rear panel: 2x(2xM25)
IKA-1/12....	Top: 6xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)
IKA-2/24....	Top: 6xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)
IKA-3/36....	Top: 6xM20 + 2xM25 + 2xM32 + 1xM40 Bottom: 6xM20 + 2xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)
IKA-1/18...., IKA-2/36...., IKA-3/54....	Top: 12xM20 + 6xM25 + 2xM32 + 1xM40 Bottom: 12xM20 + 6xM25 + 2xM32 + 1xM40 Side panel: 4xM25 Rear panel: 2x(1xM25 + 1xM32 + 1xM25)

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Max. connection cross-sections and equipment of N/PE screw terminals

	N [mm ²]	PE [mm ²]
IKA-1/4....	2x 2.5-6 + 2x 4-10+ 1x 16-35	2x 2.5-6 + 2x 4-10+ 1x 16-35
IKA-1/6....	2x 2.5-6 + 2x 4-10+ 1x 16-35	2x 2.5-6 + 2x 4-10+ 1x 16-35
IKA-1/8....	4x 2.5-6 + 4x 4-10+ 1x 16-35	4x 2.5-6 + 4x 4-10+ 1x 16-35
IKA-1/12....	6x 2.5-6 + 6x 4-10+ 1x 10-25+ 1x 16-35	6x 2.5-6 + 6x 4-10+ 1x 10-25+ 1x 16-35
IKA-2/24....	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35
IKA-3/36....	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35
IKA-1/18....	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35	8x 2.5-6 + 8x 4-10+ 1x 10-25+ 1x 16-35
IKA-2/36....	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35	12x 2.5-6 + 12x 4-10+ 1x 10-25+ 1x 16-35
IKA-3/54....	16x 2.5-6 + 16x 4-10+ 1x 10-25+ 1x 16-35	16x 2.5-6 + 16x 4-10+ 1x 10-25+ 1x 16-35

Note: Tightening torque values [Nm] of the N/PE screw terminals are directly indicated on the terminal enclosure.