



Highlights

2 to 6 poles
1 and 2 pole modules
Spacing 10.0 mm
Lift type
Wire entry parallel to PCB
Two-tier terminal
2 to 22 poles Kopie
24 A with 2.5 mm ² wire
Max. 1.000 V

Wire Sizes

Solid min	0.2 mm ²
Solid max	4.0 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.25 mm ²
Stranded with ferrule max	2.5 mm ²

Dimensions

Stripped length	8.0 mm
PCB hole diameter	1.3 mm

Materials

Clamp	Brass
Screw	Steel
Solder tab	Copper Alloy

Insulating Material

Material	PA 6.6
Flammability class	UL 94 V-0

Temperatures

Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

Spacing 10.0 mm

Wave Soldering Process

Soldering temperature, recommended	260 °C
Peak soldering time, recommended	3-4 s

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

GREEN, RAL 6018

LIGHT GREEN, similar RAL 6018

Colours according to RAL, there may be variations on colour due to production conditions.
 Special colours on request.

Ratings

					
UseGroup	B	C	D		
Rated voltage	300 V	150 V	300 V	1.000 V	
Rated current	20 A	20 A	-	24 A	
Rated wire size				min	max
- solid	AWG 30-12	AWG 30-12	AWG 30-12	0.5 mm ²	4.0 mm ²
- stranded	AWG 30-12	AWG 30-12	AWG 30-12	0.5 mm ²	2.5 mm ²
Torque	0.45 Nm	0.45 Nm	0.45 Nm	0.50 Nm	
Screw size	M3	M3	M3	M3	
Test voltage	1.60 kV	1.30 kV	1.60 kV	3.5 kV	

Accessoires

Figure	Designation	Article Number
	Screw Cover SC-AK700-YELLOW	Order Data: 507000000004

Order Data (Spacing 10.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	15.60	AK790/2-10.0-V-GREEN	50790020241 D	50
3	25.60	AK790/3-10.0-V-GREEN	50790030241 D	50
4	35.60	AK790/4-10.0-V-GREEN	50790040241 D	50
5	45.60	AK790/5-10.0-V-GREEN	50790050241 D	50
6	55.60	AK790/6-10.0-V-GREEN	50790060241 D	50



PTR HARTMANN

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Technical Data // AK790/..-10.0-V-GREEN

Spacing 10.0 mm

Technical drawing

