



Highlights

2 to 6 poles
1 and 2 pole modules
Spacing 10.0 mm
Lift type
Wire entry parallel to PCB
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

GREY, RAL 7016

PEBBLE GREY, RAL 7032

BLUE, RAL 5015

LIGHT GREEN, similar RAL 6018

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

Ratings

	UL			VDE	
UseGroup	B	C	D		
Rated voltage	300 V	150 V	300 V	1.000 V	
Rated current	20 A	20 A	10 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	AK700/2-10.0-V-GREEN	50700020241 F	200
3	25.60	AK700/3-10.0-V-GREEN	50700030241 F	200
4	35.60	AK700/4-10.0-V-GREEN	50700040241 E	100
5	45.60	AK700/5-10.0-V-GREEN	50700050241 E	100
6	55.60	AK700/6-10.0-V-GREEN	50700060241 D	50



PTR HARTMANN

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Technical Data // AK700/..-10.0-V-GREEN

Spacing 10.0 mm

Technical drawing

