



Highlights

2 to 6 poles

1 and 2 pole modules

Spacing 10.16 mm

Lift type

Wire entry parallel to PCB

Three-tier terminal

22 A with 2.5 mm² wire

Max. 1.000 V

Wire Sizes

Solid min 0.2 mm²

Solid max 4.0 mm²

Stranded (flexible) min 0.2 mm²

Stranded (flexible) max 2.5 mm²

Stranded with ferrule min 0.25 mm²

Stranded with ferrule max 2.5 mm²

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 10.16 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	-	22 A	
Rated wire size				min	max
- solid	AWG 30-12	AWG 30-12	AWG 30-12	0.5 mm ²	2.5 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 10.16 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	17.78	AKZ770/2-10.16-V-GREEN	50770020250 D	50
3	27.94	AKZ770/3-10.16-V-GREEN	50770030250 D	50
4	38.10	AKZ770/4-10.16-V-GREEN	50770040250 D	50
5	48.26	AKZ770/5-10.16-V-GREEN	50770050250 D	50
6	58.42	AKZ770/6-10.16-V-GREEN	50770060250 D	50

