



Highlights

2 to 12 poles

2 and 3 pole modules

Spacing 5.0 mm

Lift type

Wire entry parallel to PCB

Two-tier terminal

Tiers congruent one behind the other

24 A with 2.5 mm² wire

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 -40 °C (without mech. load) - 105 °C

Store temperature -40 °C - 105 °C

**Technical Data // AK790/..-5.0-V-GREEN**

Spacing 5.0 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	C  US				
	B	C	D	min	max
Rated voltage	300 V	150 V	300 V	250 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	2.0 kV	

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Order data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order data: 50000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Order data: 50000000008
	Screw Cover SC-AK700-YELLOW	Order data: 50700000004



Technical Data // **AK790/..-5.0-V-GREEN**

Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.60	AK790/2-5.0-V-GREEN	50790020201 D	50
3	15.60	AK790/3-5.0-V-GREEN	50790030201 D	50
4	20.60	AK790/4-5.0-V-GREEN	50790040201 D	50
5	25.60	AK790/5-5.0-V-GREEN	50790050201 D	50
6	30.60	AK790/6-5.0-V-GREEN	50790060201 D	50
7	35.60	AK790/7-5.0-V-GREEN	50790070201 D	50
8	40.60	AK790/8-5.0-V-GREEN	50790080201 D	50
9	45.60	AK790/9-5.0-V-GREEN	50790090201 D	50
10	50.60	AK790/10-5.0-V-GREEN	50790100201 D	50
11	55.60	AK790/11-5.0-V-GREEN	50790110201 D	50
12	60.60	AK790/12-5.0-V-GREEN	50790120201 D	50

Technical drawing

