



Highlights

2 to 12 poles

1 and 2 pole modules

Spacing 10.0 mm

Wire guard type

Wire entry parallel to PCB

Test jack on every clamping point

Wire Sizes

Solid min	0.2 mm ²
Solid max	1.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.2 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

Stripped length	5.0 mm
PCB hole diameter	1.3 mm

Materials

Clamp	Brass
Wire guard	Stainless Steel
Screw	Steel

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

Wave Soldering Process

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

Spacing 10.0 mm

Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Colours

GREY, RAL 7016

BLACK, RAL 9011

GREEN, RAL 6018

BLUE, RAL 5015

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	15 A	15 A	10 A		17.5 A
Rated wire size				min	max
- solid	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm ²	1.5 mm ²
- stranded	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm ²	1.5 mm ²
Torque	0.40 Nm	0.40 Nm	0.40 Nm		0.40 Nm
Screw size	M2.6	M2.6	M2.6		M2.6
Test voltage	1.60 kV	1.30 kV	1.60 kV		3.5 kV

Order Data (Spacing 10.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	15.60	AK500/2DS-10.0-V-GREY	50500020211 G	250
3	25.60	AK500/3DS-10.0-V-GREY	50500030211 G	250
4	35.60	AK500/4DS-10.0-V-GREY	50500040211 G	250
5	45.60	AK500/5DS-10.0-V-GREY	50500050211 E	100
6	55.60	AK500/6DS-10.0-V-GREY	50500060211 E	100
7	65.60	AK500/7DS-10.0-V-GREY	50500070211 D	50
8	75.60	AK500/8DS-10.0-V-GREY	50500080211 D	50
9	85.60	AK500/9DS-10.0-V-GREY	50500090211 D	50
10	95.60	AK500/10DS-10.0-V-GREY	50500100211 D	50
11	105.60	AK500/11DS-10.0-V-GREY	50500110211 D	50
12	115.60	AK500/12DS-10.0-V-GREY	50500120211 D	50



PTR HARTMANN

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Technical Data // **AK500/..DS-10.0-V-GREY**

Spacing 10.0 mm

Technical drawing

