



### Highlights

2 to 6 poles

1 and 2 pole modules

Spacing 10.16 mm

Wire guard type

Wire entry vertical to PCB

Test jack on every clamping point

24 A with 2.5 mm<sup>2</sup> wire

### Wire Sizes

Solid min 0.2 mm<sup>2</sup>

Solid max 2.5 mm<sup>2</sup>

Stranded (flexible) min 0.2 mm<sup>2</sup>

Stranded (flexible) max 2.5 mm<sup>2</sup>

Stranded with ferrule min 0.2 mm<sup>2</sup>

Stranded with ferrule max 2.5 mm<sup>2</sup>

### Dimensions

Stripped length 7.0 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

**Technical Data // AKZ120/..DS-10.16-H-GREY**

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**

GREY, RAL 7016

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	min	max
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 22-12	AWG 22-12	AWG 22-12	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
- stranded	AWG 22-12	AWG 22-12	AWG 22-12	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
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	

**Order Data (Spacing 10.16 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	15.94	AKZ120/2DS-10.16-H-GREY	50120020170 G	250
3	26.10	AKZ120/3DS-10.16-H-GREY	50120030170 G	250
4	36.26	AKZ120/4DS-10.16-H-GREY	50120040170 F	200
5	46.42	AKZ120/5DS-10.16-H-GREY	50120050170 E	100
6	56.58	AKZ120/6DS-10.16-H-GREY	50120060170 E	100



Technical Data // **AKZ120/..DS-10.16-H-GREY**

Spacing 10.16 mm

Technical drawing

