



Wire Sizes

Solid min	0.2 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.2 mm ²
Stranded with ferrule max	2.5 mm ²

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

Wave Soldering Process

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

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Spacing 10.0 mm

Colours

GREY, RAL 7016

BLACK, RAL 9011

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	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 ²	2.5 mm ²
- stranded	AWG 22-12	AWG 22-12	AWG 22-12	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	

Order Data (Spacing 10.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	15.70	AK100/2DS-10.0-V-GREY	50100020190 G	250
3	25.70	AK100/3DS-10.0-V-GREY	50100030190 G	250
4	35.70	AK100/4DS-10.0-V-GREY	50100040190 F	200
5	45.70	AK100/5DS-10.0-V-GREY	50100050190 E	100
6	55.70	AK100/6DS-10.0-V-GREY	50100060190 E	100
7	65.70	AK100/7DS-10.0-V-GREY	50100070190 D	50
8	75.70	AK100/8DS-10.0-V-GREY	50100080190 D	50
9	85.70	AK100/9DS-10.0-V-GREY	50100090190 D	50
10	95.70	AK100/10DS-10.0-V-GREY	50100100190 D	50
11	105.70	AK100/11DS-10.0-V-GREY	50100110190 D	50
12	115.70	AK100/12DS-10.0-V-GREY	50100120190 D	50

