



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	6.0 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	-

**Technical Data // AK590/..DS-5.0-GREY**

Spacing 5.0 mm

Colours

GREY, RAL 7016

BLUE, RAL 5015

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	cUL [®] US			VDE		
	B	C	D			
Rated voltage	300 V	-	300 V	250 V		
Rated current	15 A	-	10 A	17.5 A		
Rated wire size				min	max	
	- solid	AWG 22-14	-	AWG 22-14	0.5 mm ²	1.5 mm ²
	- stranded	AWG 22-14	-	AWG 22-14	0.5 mm ²	1.5 mm ²
Torque	0.40 Nm	-	0.40 Nm	0.40 Nm		
Screw size	M2.6	-	M2.6	M2.6		
Test voltage	1.60 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



Technical Data // **AK590/..DS-5.0-GREY**

Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.60	AK590/2DS-5.0-GREY	50590020121 G	250
3	15.60	AK590/3DS-5.0-GREY	50590030121 G	250
4	20.60	AK590/4DS-5.0-GREY	50590040121 G	250
5	25.60	AK590/5DS-5.0-GREY	50590050121 G	250
6	30.60	AK590/6DS-5.0-GREY	50590060121 G	250
7	35.60	AK590/7DS-5.0-GREY	50590070121 G	250
8	40.60	AK590/8DS-5.0-GREY	50590080121 E	100
9	45.60	AK590/9DS-5.0-GREY	50590090121 E	100
10	50.60	AK590/10DS-5.0-GREY	50590100121 E	100
11	55.60	AK590/11DS-5.0-GREY	50590110121 E	100
12	60.60	AK590/12DS-5.0-GREY	50590120121 E	100

Technical drawing

