Technical Data // AK590/..DS-10.0-GREY

Spacing 10.0 mm

PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 6 poles	
2 and 3 pole modules	
Spacing 10.0 mm	
Wire guard type	
Wire entry 45° to PCB	
Test jack on every clamping point	
Wire Sizes	
Solid min	0.2 mm²
Solid max	1.5 mm²
Stranded (flexible) min	0.2 mm²
Stranded (flexible) max	1.5 mm²
Stranded with ferrule min	0.2 mm²
Stranded with ferrule max	1.5 mm²
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

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Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

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

		c UL us			VDE	
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 mm²		1.5 mm²
- stranded	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm²		1.5 mm²
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	AK590/2DS-10.0-GREY	50590020211 G	250
3	25.60	AK590/3DS-10.0-GREY	50590030211 G	250
4	35.60	AK590/4DS-10.0-GREY	50590040211 G	250
5	45.60	AK590/5DS-10.0-GREY	50590050211 E	100
6	55.60	AK590/6DS-10.0-GREY	50590060211 E	100

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Technical drawing

