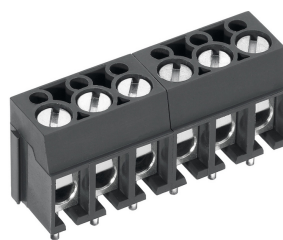


# AK100/..DS-5.0-V-GREY



A Phoenix Mecano Brand

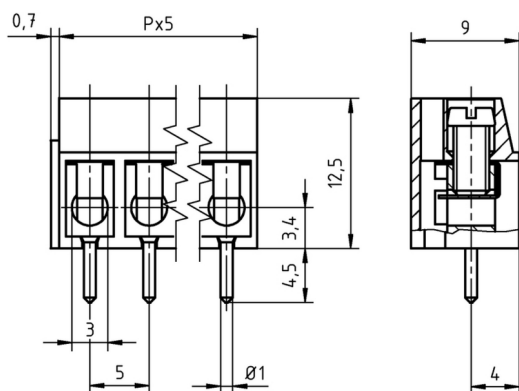
## Technical Data

Wire sizes		Insulating Material	
Solid min	0.2 mm <sup>2</sup>	Material	PA 6.6
Solid max	2.5 mm <sup>2</sup>	Flammability Class	UL 94 V-0
Stranded (flexible) min	0.2mm <sup>2</sup>	<b>Temperatures</b>	
Stranded (flexible) max	2.5 mm <sup>2</sup>	Operating Temperature (without mech. load)	-40 °C - 105 °C
Stranded with Ferrule min	0.2 mm <sup>2</sup>	Store Temperature	-40 °C - 105 °C
Stranded with Ferrule max	2.5 mm <sup>2</sup>	<b>Wave Soldering Process</b>	
<b>Dimensions</b>		Soldering Temperature, recommended	260 °C
Stripped Length	7.0 mm	Peak Soldering Time, recommended	3-4 s
PCB Hole Diameter	1.3 mm	<b>Reflow Process</b>	
<b>Materials</b>		Soldering Temperature, recommended	-
Clamp	Brass	Peak Soldering Time, recommended	-
Wire Guard	Stainless Steel		
Screw	Steel		

## 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.



## Order Data (Spacing 5.0 mm)

Poles	Width (mm)	Article Designation	Article Number	PU
2	10.70	AK100/2DS-5.0-V-GREY	50100020121 G	250
3	15.70	AK100/3DS-5.0-V-GREY	50100030121 G	250
4	20.70	AK100/4DS-5.0-V-GREY	50100040121 G	250
5	25.70	AK100/5DS-5.0-V-GREY	50100050121 G	250
6	30.70	AK100/6DS-5.0-V-GREY	50100060121 F	200
7	35.70	AK100/7DS-5.0-V-GREY	50100070121 F	200
8	40.70	AK100/8DS-5.0-V-GREY	50100080121 E	100
9	45.70	AK100/9DS-5.0-V-GREY	50100090121 E	100
10	50.70	AK100/10DS-5.0-V-GREY	50100100121 E	100
11	55.70	AK100/11DS-5.0-V-GREY	50100110121 E	100
12	60.70	AK100/12DS-5.0-V-GREY	50100120121 E	100

## 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

## Ratings

UseGroup	cRU <sup>®</sup> US			VDE	
	B	C	D		
Rated Voltage	300 V	-	300 V	250 V	
Rated Current	20 A	-	10 A	24 A	
Rated Wire Size				min	max
- solid	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	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Torque	0.45 Nm	-	0.45 Nm	0.50 Nm	
Screw Size	M3	-	M3	M3	
Test Voltage	1.60 kV	-	1.60 kV	2.0 kV	