



### Technical Data

Wire sizes		Insulating Material	
Solid min	0.2 mm <sup>2</sup>	Material	PA 6.6
Solid max	4.0 mm <sup>2</sup>	Flammability Class	UL 94 V-0
Stranded (flexible) min	0.2 mm <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	0.25 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	-
Stripped Length	7.0 mm	Peak Soldering Time, recommended	-
<b>Materials</b>		<b>Reflow Process</b>	
Clamp	Brass	Soldering Temperature, recommended	-
Screw	Steel	Peak Soldering Time, recommended	-
Contact Spring	Bronze		

### Colours

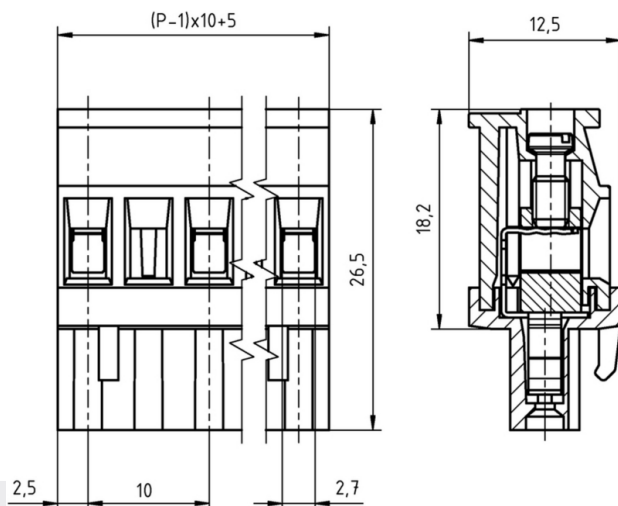
	LIGHT GREY, RAL 7035
	GREEN, RAL 6018
	LIGHT GREEN, similar RAL 6018

Colours according to RAL, there may be variations on colour due to production conditions. Special colours on request.

### Counterparts (Spacing 10.0 mm)

Pin Strip	
STL950	STL975

In combination of connectors with different admission data, the lower value is valid.



### Ratings

UseGroup	*				
	B	C	D	min	max
Rated Voltage	300 V	150 V	300 V	250 V	
Rated Current	15 A	15 A	-	12 A	
Overvoltage Category				III	
Rated Wire Size				min	max
- solid	AWG 22-10	AWG 22-10	AWG 22-10	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup> (12 A)
- stranded	AWG 22-10	AWG 22-10	AWG 22-10	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup> (12 A)
Torque	0.50 Nm	0.50 Nm	0.50 Nm	0.50 Nm	
Screw Size	M3	M3	M3	M3	
Test Voltage	1.60 kV	1.30 kV	1.60 kV	4.0 kV	
Pollution Degree				3	

\* Data similar to UL 1059 (XCFR2.E101811) und CSA 22.2 No. 158 (XCFR8.E101811)

### Order Data (Spacing 10.0 mm)

Poles	Width (mm)	Article Designation	Article Number	PU
2	15.00	AK1100/2-10.0-GREEN	51100020041 F	200
3	25.00	AK1100/3-10.0-GREEN	51100030041 E	100
4	35.00	AK1100/4-10.0-GREEN	51100040041 E	100
5	45.00	AK1100/5-10.0-GREEN	51100050041 D	50
6	55.00	AK1100/6-10.0-GREEN	51100060041 D	50
7	65.00	AK1100/7-10.0-GREEN	51100070041 D	50
8	75.00	AK1100/8-10.0-GREEN	51100080041 D	50
9	85.00	AK1100/9-10.0-GREEN	51100090041 D	50
10	95.00	AK1100/10-10.0-GREEN	51100100041 D	50

### Accessoires

Figure	Designation	Article Number
	Coding Star CS1-5.0/5.08-RED	Order Data: 50000000021
	Series AK(Z)1100 with separating element	Order Data: on request
	Series AK(Z)1100 with pull relief	Order Data: on request