

## Data sheet

Commercial Art.No.: 25.630.1653.0

PCB connector 8513 BFK / 16 TOP

PCB female connector with tension spring connection, 16 poles, printed version, max. cross section: 1.5 mm<sup>2</sup>, pitch: 3.5 mm, type of packing: carton, color: grey



Commercial Art.No.	25.630.1653.0
EAN	4015573552289
Order Unit	50

Certificates / Approvals



## Technical data

### General

Modular spacing	3.5 mm
Connection type	spring clamp connection
Soldering process	None
Packaging	Carton
Number of poles	16
Marking	yes
Fastening	None
Mating direction towards connector	180°

### Technical data

Nominal cross section	1.5 mm <sup>2</sup>
Rated current	8 A
Overvoltage Category I	690 V
Overvoltage Category II	250 V
Overvoltage Category III	125
Rated impulse voltage	2.5 kV
Wire strip length	8 mm

### Connection Data

Minimum cross section solid	0.14 mm <sup>2</sup>
Maximum cross section solid	1.5 mm <sup>2</sup>
Minimum cross section fine stranded	0.14 mm <sup>2</sup>
Maximum cross section fine stranded	1.5 mm <sup>2</sup>
Wire strip length	8 mm

### Technical Data UL/CSA

Cross section UL	30-16 AWG
Voltage UL	300 V

Current field wiring	8 A
Current factory wiring	8 A
Cross section CSA	22-14 AWG
Voltage CSA	300 V
Current CSA	5 A

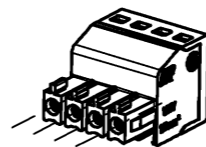
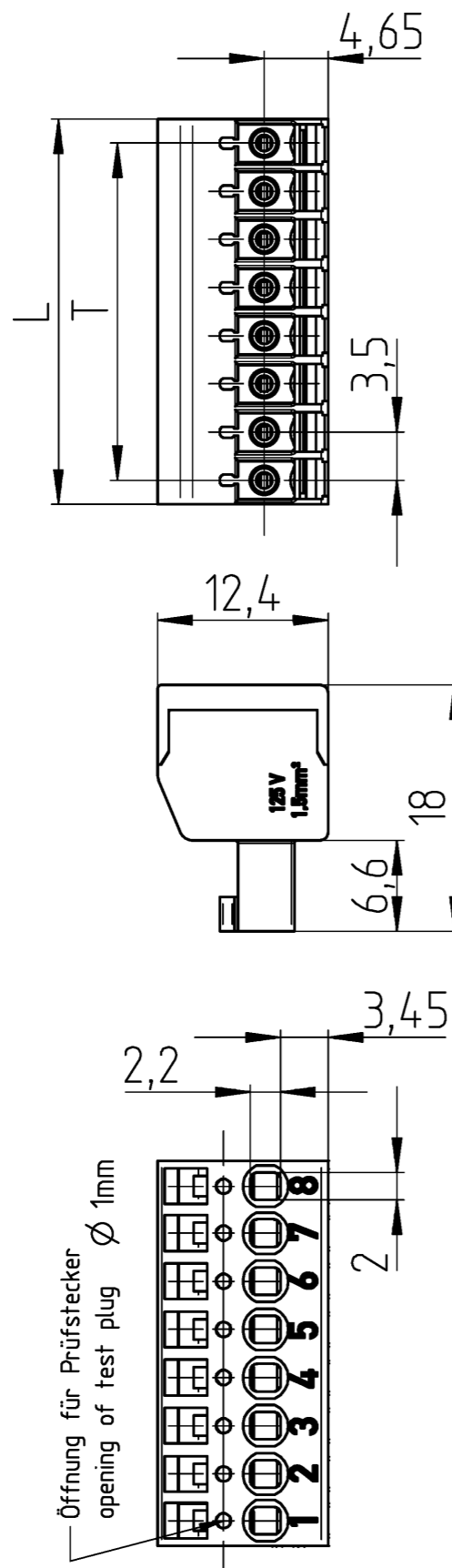
**Other**

Type of insulation material	Thermoplastic
Color	Grey
Height	12.4 mm
Length	56 mm
Depth	17.9 mm
Material attachment screw	None
Material contact base	Steel
Material contact surface	Sn

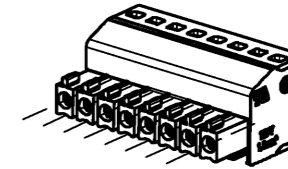
**Classification**

ECLASS 11	
ECLASS 8.1	27440402
ETIM 7.0	EC002637
ETIM 6.0	EC002637
ETIM 5.0	EC002637
ETIM 4.0	EC002637

gezeichnet/drawn: 25.630.0253.F



2 - 6 pole



7 - 20 pole

.F	Farbe colour	Bedruckung/ print Farbe/ colour	mit Polbedruckung with pole marking		ohne Polbedruckung without pole marking		Polzahl poles	L	T
			Teilenummer part number	Typ type	Teilenummer part number	Typ type			
.0	grau/grey	schwarz black	25.630.0253.F	8513 BFK/ 2	25.630.3253.F	8513 BFK/ 2 OB	2	7	3,5
.7	grün/green		25.630.0353.F	8513 BFK/ 3	25.630.3353.F	8513 BFK/ 3 OB	3	10,5	7
			25.630.0453.F	8513 BFK/ 4	25.630.3453.F	8513 BFK/ 4 OB	4	14	10,5
			25.630.0553.F	8513 BFK/ 5	25.630.3553.F	8513 BFK/ 5 OB	5	17,5	14
			25.630.0653.F	8513 BFK/ 6	25.630.3653.F	8513 BFK/ 6 OB	6	21	17,5
<p>Am Isoliergehäuse sind die Bremsflächen an den Außenflächen am ersten und letzten Pol. With ribs on the outer surface of the first and last pole.</p> <p>Keine Bremsflächen an den Außenflächen des Isoliergehäuses. No ribs on the outer surface of the first and last pole.</p>			25.630.0753.F	8513 BFK/ 7	25.630.3753.F	8513 BFK/ 7 OB	7	24,5	21
			25.630.0853.F	8513 BFK/ 8	25.630.3853.F	8513 BFK/ 8 OB	8	28	24,5
			25.630.0953.F	8513 BFK/ 9	25.630.3953.F	8513 BFK/ 9 OB	9	31,5	28
			25.630.1053.F	8513 BFK/ 10	25.630.4053.F	8513 BFK/ 10 OB	10	35	31,5
			25.630.1153.F	8513 BFK/ 11	25.630.4153.F	8513 BFK/ 11 OB	11	38,5	35
			25.630.1253.F	8513 BFK/ 12	25.630.4253.F	8513 BFK/ 12 OB	12	42	38,5
			25.630.1353.F	8513 BFK/ 13	25.630.4353.F	8513 BFK/ 13 OB	13	45,5	42
			25.630.1453.F	8513 BFK/ 14	25.630.4453.F	8513 BFK/ 14 OB	14	49	45,5
			25.630.1553.F	8513 BFK/ 15	25.630.4553.F	8513 BFK/ 15 OB	15	52,5	49
			25.630.1653.F	8513 BFK/ 16	25.630.4653.F	8513 BFK/ 16 OB	16	56	52,5
			25.630.1753.F	8513 BFK/ 17	25.630.4753.F	8513 BFK/ 17 OB	17	59,5	56
			25.630.1853.F	8513 BFK/ 18	25.630.4853.F	8513 BFK/ 18 OB	18	63	59,5
			25.630.1953.F	8513 BFK/ 19	25.630.4953.F	8513 BFK/ 19 OB	19	66,5	63
			25.630.2053.F	8513 BFK/ 20	25.630.5053.F	8513 BFK/ 20 OB	20	70	66,5

Weitere Daten siehe KATALOG oder eKatalog  
additional data see CATALOG or eCATALOG

[www.wieland-electric.com](http://www.wieland-electric.com)  
[eshop.wieland-electric.com](http://eshop.wieland-electric.com)

Tolerierung Size ISO 14405 © / Tolerance system Size ISO 14405 ©.  
(This ISO-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

ja/yes  Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.  
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach General tolerance CAD - Zeichnung, keine manuellen Änderungen CAD - drawing, no manual modifications allowed 1 Verwendung: First Use: Blatt: 1 von 1 Sheet: 1 of 1

Werkstoff / Material		Tag/Date	Name	Zeichnung Nr. / Drawing No.		Index
/		gezeichnet/drawn	19.02.2020	25.630.0253.0 13K		
/		geprüft/checked	Schmitt J.	Maße in mm / Dimensions are in mm		
/		Normgepr. / Stand. check				
/		Ersatz für / Replacement for:				
/		Type	Benennung/Title			
/		www.wieland-electric.com		LP_STECKKLEMME		
/		8513 BFK/ 2-20		PCB PLUG Terminal		
/		Raster/ pitch 3,5 spring clamp system				
Index	Datum / Blatt Date / Sheet					
Änderung / Revision						

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B These dimensions will be especially checked at delivery Only inspection dimensions With /E marked dimensions are only valid for internal use

C Diese Maße werden bei Abnahme besonders geprüft Ausschließlich Prüfmäße Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig

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