

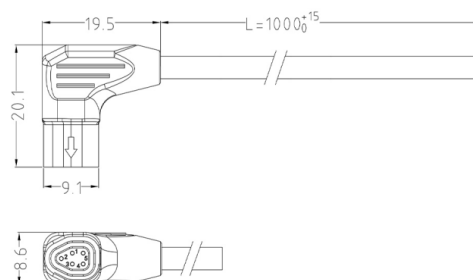
# Product data sheet

## Higo - Signal - Mini F

### Mini F Female angled plug connector

Z509FM A 00 A3 1000

<https://www.higoconnector.com/en/e-bike-connector/z509fma00a31000>



## Specifications

### General Characteristics

<b>Number of contacts</b>	5
<b>Connector shape</b>	Angled plug
<b>Gender</b>	Female
<b>Color</b>	Green
<b>Upper temperature</b>	80 °C
<b>Lower temperature</b>	-25 °C
<b>Locking</b>	Push-on (no locking)
<b>Protection degree</b>	IP66
<b>Mating cycles (times)</b>	200 Mating times
<b>Connector diameter</b>	8,6 x 7,3 mm
<b>Fitting length</b>	20 mm
<b>Cable Length</b>	1000 mm
<b>Cable diameter</b>	3.7 mm
<b>Wire section</b>	5 x 0,14 mm <sup>2</sup>
<b>Remark</b>	Other cable length/type on request

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#### Electrical Parameters

<b>Rated current</b>	2 A
<b>Rated voltage</b>	48 V AC / 60 V DC
<b>Max. insulation resistance (M )</b>	≥20 MΩ
<b>Max. contact resistance (M )</b>	≤10 MΩ

#### Material

<b>Material jacket</b>	TPU
<b>Insulation wire</b>	Teflon
<b>Material of contact</b>	Copper Alloy
<b>Contact plating</b>	Gold over Nickel