

# PV-MI-CABLE SPLICE 3P - Housing

1812403

<https://www.phoenixcontact.com/us/products/1812403>



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Housing to protect splice connection of solar panel wires. Allows splice of 3 conductors (1.5 to 25 mm<sup>2</sup>/16 to 4 AWG maximum) to be inside housing with an IP67 rating.

## Commercial data

Item number	1812403
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	AB05
Product key	ABLWZX
GTIN	4046356738682
Weight per piece (including packing)	220 g
Weight per piece (excluding packing)	220 g
Customs tariff number	85366990
Country of origin	US

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## Technical data

### Product properties

Product type	Shroud
Number of positions	3

### Electrical properties

Rated voltage (III/3)	600 V AC/DC
Rated current	30 A

### Connection data

Connection method	Screw connection within housing
Tightening torque	2.5 ... 3 Nm
Conductor cross-section flexible	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Conductor cross-section rigid	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	16 ... 4

### Dimensions

Wrench size, union nut	22.00 mm
External dimensions	

Outside diameter 9.5 mm ... 13 mm (0.37" ... 0.51")

### Material specifications

Color	black
Material for screw connection	EPCM

### Cable/line

Cable type	TC-ER
External cable diameter	9.5 mm ... 13 mm
Single wire, number of litz wires	3
Stripping length of the individual wire	12 mm

### Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	10 (with same cable diameter)

### Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 90 °C

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## Classifications

### UNSPSC

UNSPSC 21.0

39121432

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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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