

# PV-MI-CABLE SPLICE 3P - Housing



1812403

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

# PV-MI-CABLE SPLICE 3P - Housing



1812403

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

## 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

# PV-MI-CABLE SPLICE 3P - Housing



1812403

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

## Classifications

### UNSPSC

UNSPSC 21.0	39121432
-------------	----------

# PV-MI-CABLE SPLICE 3P - Housing



1812403

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

## 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%

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)