

# HC-MOT-TML-SET - Housing set



1409066

<https://www.phoenixcontact.com/us/products/1409066>

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.



Motor connector for three-phase drive, metal housing with EMC sleeves incl. push-in contact insert, with screw connections (power and control circuit). With filler plugs in the control cable screw connection, 4-pos. control circuit, with star-delta bridge, with IP54 protective cover.

## Commercial data

Item number	1409066
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB01
Product key	ABLADE
Catalog page	Page 53 (C-2-2013)
GTIN	4046356619363
Weight per piece (including packing)	290.8 g
Weight per piece (excluding packing)	281.3 g
Customs tariff number	79070000
Country of origin	DE

## Technical data

### Notes

#### Safety note

##### Safety note

**WARNING:** The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.

- **WARNING:** Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.

- **WARNING:** Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.

- The products are suitable for applications in plant, controller, and electrical device engineering.

- When operating the connectors in outdoor applications, they must be separately protected against environmental influences.

- Assembled products may not be manipulated or improperly opened.

- Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)).

- When using the product in direct connection with third-party manufacturers, the user is responsible.

- For operating voltages > 50 V AC, conductive connector housings must be grounded

- Ensure that the protective or functional ground has been properly connected.

- VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector

- Observe the corresponding technical data. You will find information:

- o On the product

- o On the packing label

- o In the supplied documentation

- o Online at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) under the product

- Only use tools recommended by Phoenix Contact

- The installation notes/Design In documents online on the download page at [phoenixcontact.com/products](https://www.phoenixcontact.com/products) must be observed for this product.

- Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at [phoenixcontact.com/products](https://www.phoenixcontact.com/products)

- Operate the connector only when it is fully plugged in.

- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the

# HC-MOT-TML-SET - Housing set

1409066

<https://www.phoenixcontact.com/us/products/1409066>



standards.

- Observe the minimum bending radius of the cable. Lay the cable without twisting it.

- The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

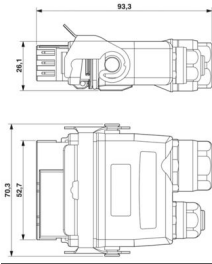
## Product properties

Type	MOT
Product type	Housing with locking latch
Product family	VARIOCON
Application	Standard
No. of cable outlets	2
Housing type	Sleeve housing
Cable outlet	straight

## Insulation characteristics

Degree of pollution	3
---------------------	---

## Dimensions

Dimensional drawing	
Width	70.3 mm
Height	131.8 mm
Length	31.5 mm

## Material specifications

Color of the housing part	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Seal material	EPDM
Material, insert	FPM
Cable seal material	FKM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of contact surface, control contact	Au
O-ring material	FKM
Locking latch material	Stainless steel

# HC-MOT-TML-SET - Housing set



1409066

<https://www.phoenixcontact.com/us/products/1409066>

Material for screw connection	CuZn
Housing material	PA

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

## Cable/line

External cable diameter (Cable 1)	7 mm ... 14.5 mm (Unshielded cable)
Stripping length of the individual wire	12 mm (Push-in Technology)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-30 °C ... 100 °C

# HC-MOT-TML-SET - Housing set



1409066

<https://www.phoenixcontact.com/us/products/1409066>

## Classifications

### ECLASS

ECLASS-11.0	27440202
ECLASS-12.0	27440202
ECLASS-13.0	27440202

### ETIM

ETIM 9.0	EC000437
----------	----------

### UNSPSC

UNSPSC 21.0	31261500
-------------	----------

# HC-MOT-TML-SET - Housing set



1409066

<https://www.phoenixcontact.com/us/products/1409066>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - 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)