

Housing set - HC-MOT-TML-SET - 1409066

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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.



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	290.0 GRM
Custom tariff number	79070000
Country of origin	Germany

Technical data

General

Pollution degree	3
Surge voltage category	III
Insertion/withdrawal cycles	≥ 100
Design	MOT
Conductor cross section	0.5 mm² ... 2.5 mm² (Power circuit)
	0.5 mm² ... 1.5 mm² (Control circuit)
Connection cross section AWG	20 ... 14
	20 ... 16
Stripping length of the individual wire	12 mm (Push-in Technology)

Ambient conditions

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

Material data

Inflammability class according to UL 94	V0
Seal material	EPDM

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Technical data

Material data

Housing material	GD-Zn
Contact material	Copper alloy
Contact surface material	Ag (power)/Au (signal)
Material of contact surface, power contact	Ag
Material of contact surface, control contact	Au
Contact carrier material	PA

Electrical characteristics

Rated voltage for power contacts	400/800 V
Rated voltage (III/3)	250 V (Signal)
Rated surge voltage	6 kV (Phase/housing power circuit)
	8 kV (Phase/phase power circuit)
	4 kV (Control circuit)
Rated current	16.5 A (power contacts)
	2.5 A (control contacts)

Technical data according to UL approval

Connection cross section, power contact (AWG)	14
Nominal voltage, power contact	600 V
Nominal current, power contact	16.5 A
Connection cross section, signal contact (AWG)	16
Nominal voltage, signal contact	250 V
Nominal current, signal contact	2.5 A

Classifications

eCl@ss

eCl@ss 4.0	27140816
eCl@ss 4.1	27140816
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209
eCl@ss 8.0	27440209

ETIM

ETIM 4.0	EC000437
ETIM 5.0	EC000437

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Classifications

UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	39121522

Approvals

Approvals

Approvals

CSA / CSAus / GOST / UL Listed / cCSAus

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	18
Nominal current I _N	2.5 A
Nominal voltage U _N	250 V

CSAus	
mm²/AWG/kcmil	18
Nominal current I _N	2.5 A
Nominal voltage U _N	250 V

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Approvals

GOST 

UL Listed 

mm ² /AWG/kcmil	18
Nominal current I _N	2.5 A
Nominal voltage U _N	250 V

cCSAus

Accessories

Accessories

Coding element

Coding profile - CP-HCC 4 - 1600027



Coding profile, Number of positions: 1, Color: red

Protective cover

Protective covers - HC-MOT-SD-FLT-KU-IP54 - 1409134



Protective cover for sleeve housing, IP54

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Accessories

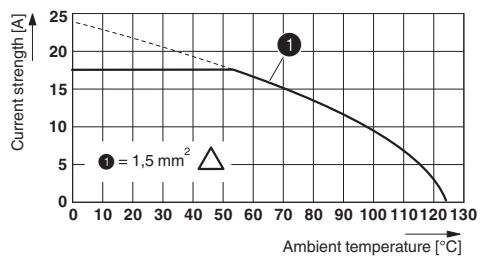
Star-delta bridge - HC-MOT-ST/DR-BR - 1409150

Star-delta bridge



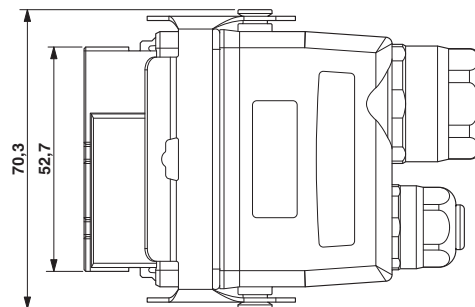
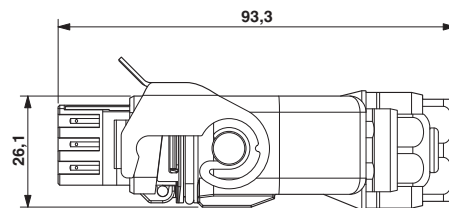
Drawings

Diagram



Derating diagram

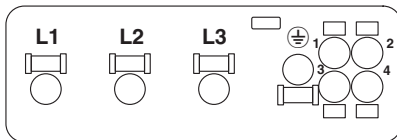
Dimensioned drawing



Dimensional drawing

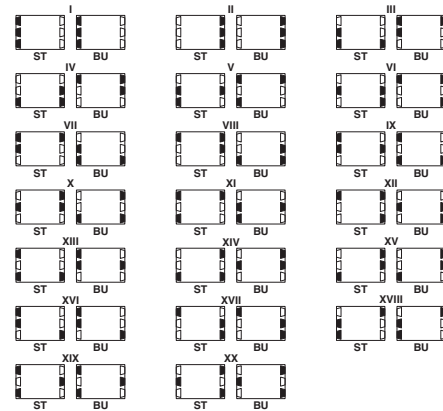
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Schematic diagram



Connector pin assignment, connection side

Schematic diagram



Coding scheme