

## hybrid motor starter, 3-pole (36111)



The picture may show a similar product.

### Description

Part No.: **36111000A**

MOTUS<sup>®</sup> CrossBoard

hybrid motor starter, 3-pole

electronic unit direct and reversing starter 1.5 - 6.5 A / switch for resistive loads 1.5 - 9.0 A  
with CrossLink<sup>®</sup> interface

### System

CrossBoard<sup>®</sup>

Product group 21

Subgroup 01

pack size 1

EAN 4021267361112

catalog page 2020 : 1.2, 2.3, 3.16, 6.1

ECLASS 6.1 27370804  
ECLASS 7.1 27370804  
ETIM 4.0 EC001037  
ETIM 5.0 EC001037

## Approvals

### Standards

EN 60947-1:2015  
EN 60947-4-2:2012  
EN 61439-1:2012  
EN 50581:2012  
EN ISO 13849-1:2015  
UL 60947-1

### Approvals

UL , CCC , EAC , Atex



for UL feeder circuits >250V

type number: 36111.1

EAC Type: MCC

UL file: E360470, UL category (for USA): NLDX <http://www.ul.com>

UL file: E360470, UL category (for Canada): NLDX7 <http://www.ul.com>

CCC certificate: 2019010304252617

Type-Examination Certificate: PTB13AT3001

## Technical data

### Details IEC

#### Standards

EN 60947-1:2015  
EN 60947-4-2:2012  
EN 61439-1:2012  
EN 50581:2012  
EN ISO 13849-1:2015

## Electrical data IEC

Rated current (IEC): 9 A  
rated voltage (IEC) AC: 500 V  
min. operating voltage AC: 42 V

trigger characteristic: Class 10A

set nominal current: Yes  
min. load current: 1.2 A  
max. switching frequency: 2 Hz  
switching cycles: 30.000.000

safety level: SIL3  
reply contact: 1 CO

rated frequency (IEC): 50 / 60 Hz

rated isolation voltage  $U_i$  AC: 500 V  
rated surge voltage  $U_{imp}$ : 6 kV

power dissipation of the article:  
The power dissipation at a typical load of 80 % results to 7.7 W.  
(The power dissipation at full load would be 12.0 W.)

## Details UL

### Standards

UL 60947-1

for UL feeder circuits >250V

## Electrical data UL

rated current (UL): 6.5 A  
rated voltage (UL) AC: 500 V  
min. operating voltage AC: 42 V  
rated frequency (UL): 50 / 60 Hz

SCCR unprotected max.: 5 kA  
3 cycles (without OPD) @ 600 V AC  
SCCR protected max.: 100 kA

SCCR: 100 kA with JDDZ fuse Class J 175 A / 600 V AC

### **Mechanical data**

W x H x D: 22.5 x 160 x 120  
weight: 51.4 kg/100  
poles: 3-pole

degree of protection: IP20

vertical installation position: Yes  
horizontal installation position: No

permitted degree of pollution: 2

### **Terminal points**

screw clamp connection

screw drive: 0,8x4  
wire stripping: 8 mm  
min. cross-section: 0.2 mm<sup>2</sup>  
max. cross-section: 2.5 mm<sup>2</sup>  
Md min.: 0.5 Nm  
Md max.: 0.6 Nm

min. cross-section UL: AWG 24  
max. cross-section UL: AWG14  
torque (UL): 4,4 - 5,3 lb-in

## Accessories



### **31568000**

replacement fuse for MOTUS®  
fuse 20 A for version 9 A  
10x38 gR



### **31569000**

replacement fuse for MOTUS®  
fuse 30 A for version 9 A for motors with heavy-duty starting  
Class CC