

## hybrid motor starter, 3-pole (36103)





The picture may show a similar product.





## Description

Part No.: **36103000B**

MOTUS<sup>®</sup> Panel

hybrid motor starter, 3-pole

direct and reversing starter 0.18 - 2.4 A / switch for resistive loads 0.18 - 2.4 A

with CrossLink<sup>®</sup>Technology

### System

DIN rail

### Advantages of the product

4 functions integrated:

Right contactor

Left contactor

Motor protection relay

EMERGENCY STOP protection up to category 3

Installed width only 22.5mm

30 million electrical switching operations

Product group 21

Subgroup 03

pack size 1

EAN 4021267361037

catalog page 2020 : 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: 36110.1

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): 2.4 A  
rated voltage (IEC) AC: 500 V  
min. operating voltage AC: 42 V

trigger characteristic: Class 10A

set nominal current: Yes  
min. load current: 0.18 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 3.5 W.  
(The power dissipation at full load would be 5.5 W.)

### Details UL

#### Standards

UL 60947-1

for UL feeder circuits >250V

### Electrical data UL

rated current (UL): 2 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 185 x 149  
weight: 58.5 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

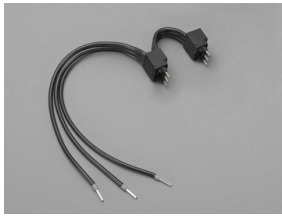
min. cross-section UL:	AWG 24
max. cross-section UL:	AWG14
torque (UL):	4,4 - 5,3 lb-in

Screw terminals (solid round, flexible, flexible with wire-end ferrule)

0.14 - 2.5mm<sup>2</sup> / 0.5 - 0.6Nm

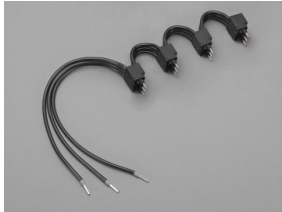
The cable outlet is provided with a pluggable terminal

## Accessories



### **36902000**

spare part for MOTUS®  
connecting plug with cable connection, 2 units  
LAGERABVERKAUF



### **36904000**

spare part for MOTUS®  
connecting plug with cable connection, 4 units



### **31567000**

replacement fuse for MOTUS®  
fuse 16 A for version 0.6 A and 2.4 A  
10x38 gR



### **36112000B**

spare part for MOTUS®Panel  
adapter for MOTUS®Panel