

connection module (01593) PCF: 1.92 kg CO₂e



The picture may show a similar product.

Description

Part No.: **01593** 000A

CRITO[®] CrossBoard
connection module
with box terminals 6 - 50 mm² / AWG 10 - AWG 1
3-pole

System

CrossBoard[®] 125A / 250A, CrossBoard[®] 800 A

Advantages of the product

direct connection to the CrossBoard, cover included

capable of feeding (up to 125 A) 1 or 2 CrossBoards simultaneously with balanced or unbalanced load on the boards.

can be used without cables as a bridge connection between 2 CrossBoards up to 125 A. Feeding a third CrossBoard with cables is acceptable, but the total current cannot exceed 125 A.

touch-safe

CRITO® unlockable from top or bottom

Product group 07

Subgroup 42

pack size 1

EAN 4021267015930

ECLASS 6.1 27141146

ECLASS 7.1 27141146

ETIM 4.0 EC000001

ETIM 5.0 EC000001

Approvals

Standards

IEC 61439-1:2020

IEC 60999-1:1999

IEC 60999-2:2003

UL 508

Approvals

UL



for UL feeder circuits >250V

type number: CR45-A

UL file: E123577, UL category (for USA): NMTR <https://www.ul.com>
UL file: E123577, UL category (for Canada): NMTR7 <https://www.ul.com>
CCC approval: no certification required

Technical data

Details IEC

Standards

IEC 61439-1:2020
IEC 60999-1:1999
IEC 60999-2:2003

Electrical data IEC

rated current (IEC): 125 A
rated voltage (IEC) AC: 690 V

rated isolation voltage U_i AC: 800 V

rated peak withstand current I_{pk} max.: 15 kA

Supplementary data IEC

The following values have been verified with tests under certain conditions. Please ask Wöhner for this conditions before designing your panel.

max. permitted voltage (IEC) AC: 800 V
max. permitted voltage (IEC) DC: 800 V
current capacity (IEC) max.: 125 A

Details UL

Standards

UL 508

for UL feeder circuits >250V
suitable for field-installed conductors

Electrical data UL

rated current (UL): 100 A
rated voltage (UL) AC: 600 V
rated frequency (UL): 50 / 60 Hz

SCCR unprotected max.: 10 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
100 kA with any DIVQ/7 circuit breaker 125 A / 480 V AC
65 kA with any DIVQ/7 circuit breaker 125 A / 600 V AC

Mechanical data

W x H x D: 45 x 160 x 92
weight: 31.7 kg/100
poles: 3-pole

front degree of protection: IP20

Terminal points

cage clamp connection
screw drive: S4
wire stripping: 17 mm
min. cross-section: 6 mm²
max. cross-section: 50 mm²
Md min.: 5.0 Nm
Md max.: 6.0 Nm

min. cross-section UL: AWG 10
max. cross-section UL: AWG 1
torque (UL): 44 - 53 lb-in

6 - 50 mm² / AWG 10 - AWG 1
feindrätig, direkt geklemmt oder mit Aderendhülse,
6 - 35 mm² Rundleiter mehrdrätig,
(feindrätig mit Aderendhülse eventuell nicht mit maximalen Querschnitt möglich)

Application notes

The insulation performance of the article depends on the installation conditions.
for UL feeder circuits >250V

Accessories

covers



01604 000A

touch protection cover IP20
for connection module 01593

<https://pim.woehner.de/EN/EN/1000197656>