

brace terminal (01760)



The picture may show a similar product.

Description

Part No.: **01760**000

CRITO[®]

brace terminal

Cu / Al 95 - 300 mm²

for busbars 20, 25, 30 x 5, 10 and section busbars

System

60Classic, centre feed unit, 100Energy

Product group 07

Subgroup 25

pack size 3

EAN 4021267017606

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

CSA , UL , DNV GL



type number: 529

UL file: E123577, UL category (for USA): NMTR2 <https://www.ul.com>

UL file: E123577, UL category (for Canada): NMTR8 <https://www.ul.com>

CSA file: 110285, CSA class: 3211-37 <https://directories.csa-international.org>

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): 500 A
rated voltage (IEC) AC: 690 V

rated peak withstand current I_{pk} max.: 81.4 kA

rated short-time withstand current I_{CW} (1.0 s) max.: 26.1 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: 1000 V
max. permitted voltage (IEC) DC: 1500 V
current capacity (IEC) max.: 600 A

Details UL

Standards

UL 508

suitable for field-installed conductors

Electrical data UL

rated current (UL): 420 A
rated voltage (UL) AC: 600 V
rated frequency (UL): 50 / 60 Hz
for wires UL: Cu 75°C

SCCR unprotected max.: 14 kA
1-pole, 3 cycles (without OPD) @ 600 V AC
SCCR protected max.: 65 kA

SCCR: 65 kA with any DIVQ/7 circuit breaker 1200 A / 480 V AC

Mechanical data

W x H x D: 40 x 49 x 88
weight: 42.5 kg/100
for busbars: 20, 25, 30 x 5, 10 and section busbars

Terminal points

screw clamp connection

screw drive:	S8
wire stripping:	38 mm
min. cross-section:	95 mm ²
max. cross-section:	300 mm ²
Md min.:	24.0 Nm
Md max.:	36.0 Nm

Suitable for aluminium cables.

When using aluminium cables, observe the maintenance instructions.

torque Alu: Alu: Md 30 - 36 Nm

min. cross-section UL:	AWG 3/0
max. cross-section UL:	MCM 600
torque (UL):	266 lb-in
for wires UL:	Cu 75°C

for applications acc. to IEC / EN :

Cu 95 - 300 mm² stranded round cables and stranded sectored cables as well as flexible cables (directly)

Cu 240 - 300 mm² fine stranded flexible cables (directly)

Al 120 - 300 mm² stranded round cables and stranded sectored cables

Al 120 - 240 mm² solid sectored cables

for applications acc. to UL / CSA :

Cu 95 - 300 mm² / AWG 3/0 - MCM 600

Application notes

Suitable for aluminium cables.

When using aluminium cables, observe the maintenance instructions.

The insulation performance of the article depends on the installation conditions.

<https://pim.woehner.de/EN/EN/1000045661>