

TEF 1060 BUS-BAR SYSTEM

ZONE 1, ZONE 2 & SAFE AREA



Type-C solution

The CU Bus-Bar System system is developed and standardized up to 11kV, and is certified by notified body according to ATEX and IECEx.

The High Voltage solution with tinned copper bus-bars combined with the use of Ex-certified Isolators.

3 different types of bus-bar solutions.

- Type-R is with **Rectangular** bus-bar
- Type-C is with rectangular bus-bar assembled in a **Curved** frame system
- Type-G is with **G-profile** bus-bar

Atex-Certificate: Presafe 14 ATEX 4124

IECEx Certificate: IECEx PRE 14.0001

Atex:

Ex II 2 G Ex d e IIC Gb/Ex II 2 G Ex eb IIC/
Ex II 2 G Ex e mb IIC Gb

IECEx:

Ex d e IIC Gb/**Ex eb IIC/**

Ex e mb IIC Gb T6/T5/T4

Compliance with:

EN 60079-0:2012 / (EN 60079-1:2007)

EN 60079-7:2007 / (EN 60079-18:2009)

IEC 60079-0:2011 / (IEC 60079-1:2007)

IEC 60079-7:2006 / (IEC 60079-18:2009)



Tranberg Ex Certified High Voltage Enclosure TEF1060

Type R Solution (Rectangular CU Bus-Bars)

Part No	Setting	Enclosure dimension
1063401	3,5kV - 3ph-R-2H-Ø8-250A-30/10	W525xH900xD200mm
1063402	3,5kV - 3ph-R-2H-Ø10-432A	W525xH900xD200mm
1063403	6,9kV - 3ph-R-2H-Ø8-250A-30/10	W575xH1000xD275mm
1063404	6,9kV - 3ph-R-2H-Ø10-432A	W575xH1000xD275mm
1063405	11kV - 3ph-R-2H-Ø8-250A-30/10	W700xH1250xD300mm
1063406	11kV - 3ph-R-2H-Ø10-432A	W700xH1250xD300mm

Type C Solution (Curved-profile CU Bus-Bars)

Part No	Setting	Enclosure dimension
1063411	2,2kV - 3ph-C-6H-Ø8-250A-30/10	W600xH900xD350mm
1063412	2,2kV - 3ph-C-6H-Ø10-500A	W600xH900xD350mm
1063413	2,2kV - 3ph-C-6H-Ø10-750A-80/10	W600xH900xD350mm
1063414	2,2kV - 3ph-C-6H-Ø10-950A-100/10	W600xH900xD350mm
1063415	2,2kV - 3ph-C-12H-Ø10-2100A-2x100/10	W1200xH1200xD600mm
1063416	3,5kV - 3ph-C-6H-Ø10-500A	W600xH1000xD400mm
1063417	3,5kV - 3ph-C-6H-Ø10-750A-80/10	W600xH1000xD400mm
1063418	3,5kV - 3ph-C-8H-Ø10-500A-80/10	W675xH1000xD400mm
1063419	3,5kV - 3ph-C-8H-Ø10-950A-100/10	W675xH1100xD400mm
1063420	6,9kV - 3ph-C-6H-Ø10-500A	W700xH1100xD450mm
1063421	6,9kV - 3ph-C-6H-Ø10-500A-80/10	W700xH1100xD450mm
1063422	6,9kV - 3ph-C-8H-Ø10-500A	W800xH1100xD450mm
1063423	6,9kV - 3ph-C-8H-Ø10-950A-100/10	W800xH1100xD450mm
1063424	11kV - 3ph-C-6H-Ø10-500A	W900xH1100xD500mm
1063425	11kV - 3ph-C-12H-Ø12-2100A-2x100/10	W1500xH1500xD700mm

Type G Solution (G-profile CU Bus-Bars)

Part No	Setting	Enclosure dimension
1063441	2,2kV - 3ph-G-4H-Ø10-490A	W450xH950xD300mm
1063442	2,2kV - 3ph-G-4H-Ø10-850A-100/10	W500xH950xD300mm
1063443	3,5kV - 3ph-G-4H-Ø10-490A	W500xH950xD350mm
1063444	3,5kV - 3ph-G-4H-Ø10-850A-100/10	W550xH950xD350mm
1063445	6,9kV - 3ph-G-4H-Ø10-490A	W600xH1000xD400mm
1063446	6,9kV - 3ph-G-4H-Ø10-850A-100/10	W700xH1000xD400mm
1063447	11kV - 3ph-G-4H-Ø10-490A	W750xH1200xD500mm
1063448	11kV - 3ph-G-4H-Ø10-850A-100/10	W800xH1200xD500mm

Technical data

- Standardized for bottom side entries
- All CU connection Bars are tinned
- All products delivered with Tranberg cable glands
- Bright chemical dip surface threated
- Material: AISI316L

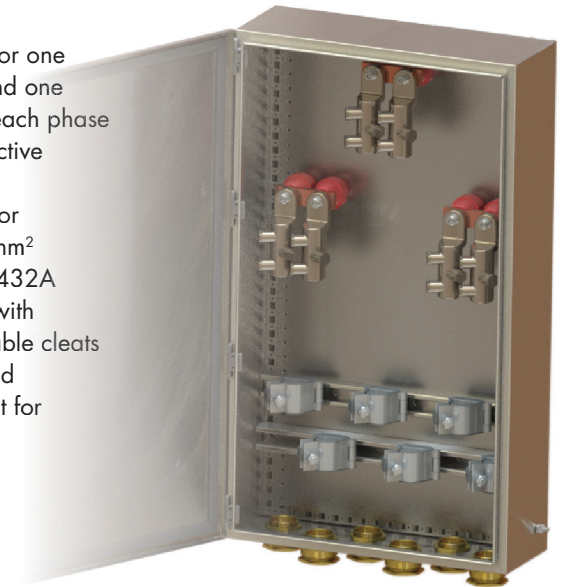
Optional

- Lifting lugs, Certified to Standard 2.7.1
- Short circuit devices
- Tranberg Enclosure Heater with thermostat
- Cable Cleats
- Optical Fiber Termination
- Padlock facility
- Exi Safety switch
- 3-phase or Single core Plug-in solution
- Non-Ex solutions
- Customizing for top- or side entries
- MCT frames
- Gland plates
- Ex Enclosure heater

For connection kits and accessories, please contact Tranberg AS for further information.

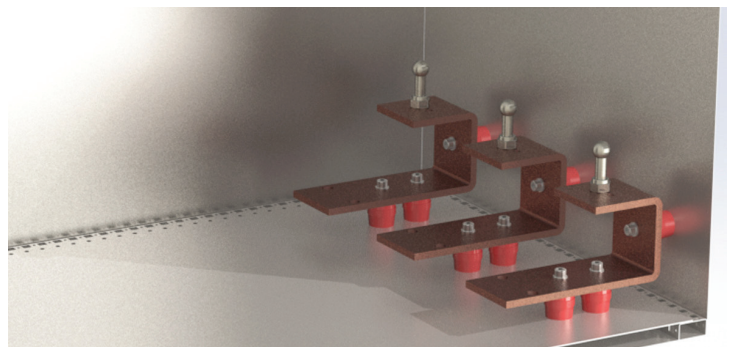
R – Profile:

- Designed for one cable in and one cable out each phase
- A cost effective solution
- Designed for max 300mm²
- Max load 432A
- Available with certified cable cleats
- To withstand Short-circuit for even 50kA



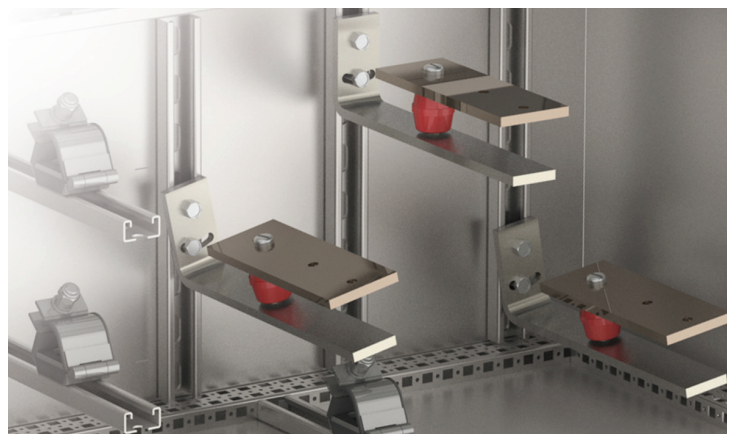
G – Profile:

- Compact solutions
- Designed for max 4 cables each phase
- Designed for max 300mm²
- To withstand Short-circuit for even 50kA
- Max current load 960A



C – Profile (Curved):

- Easy installation
- Adjustable bars to compensate for bending radius
- Can be delivered up to 2100 A
- "Unlimited" numbers of cables



Sectional side view