

ATEX ENCLOSURES : GUB SERIES WITH TERMINALS

MECHANICAL CHARACTERISTICS :

Body and lid : Aluminum low copper content. Screw cap with safety screw

Seal : Resistant to acids, hydrocarbons and high temperatures, located between the body and the lid

Certification label : Adhesive label located inside empty enclosures. Aluminum label riveted to the body

Bolts and screws : Stainless steel

Earth screw : Stainless steel. Inside and outside the complete body with anti-rotation brackets

Assembly : Cast aluminum feet

Coating : RAL 7035 polyester coating (light gray)

Corrosion resistance : The STANDARD aluminum used has passed the tests required by EN 60068-2-30 (hot / humid cycles) and EN 60068-2-11 (salt spray tests)

ELECTRICAL SPECIFICATIONS :

Nominal voltage : 24 / 800 V

Rated frequency : 50 / 60 Hz

Modular terminals :

Terminal cross section : 2.5; 4; 6; 10; 16; 25; 35; 70; 95; 120; 185; 240 mm²

Rated current : 12.5 - 400 [A]

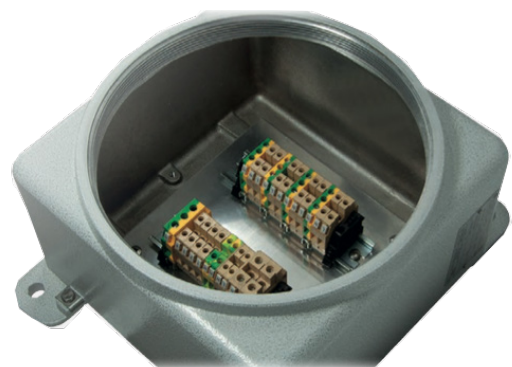
Current density max. : 1.65 - 7 [A / mm²]

Multipolar terminals :

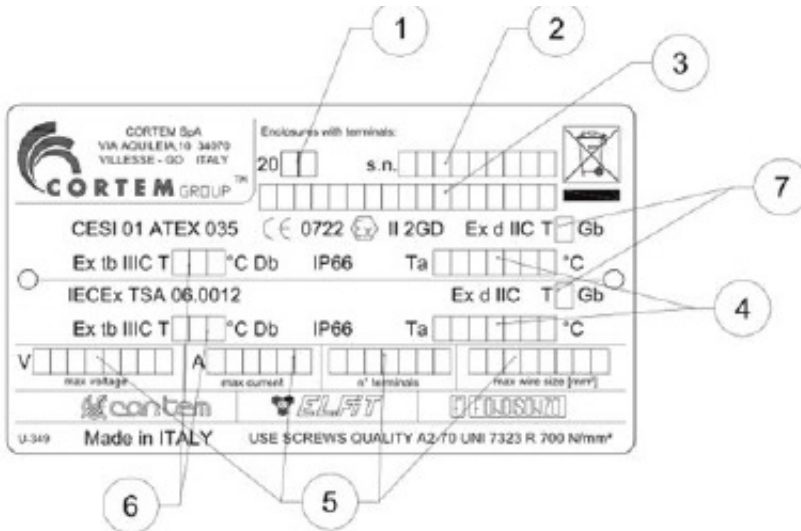
Cross section of the terminal : 3x16; 4x16; 3x25; 4x25; 3x40; 4x40; 3x70; 4x70; 3x125; 3x200; 4x200; 3x315 [mm²]

Rated current : 48 - 252 [A]

Current density max. : 0.8 - 3 [A / mm²]



ATEX - IECEx LABEL FOR TERMINAL BOXES :



Data filled in:

1. year of manufacture
2. serial number
3. product code
4. ambient temperature:
Ta -20°C +40°C, Ta -20°C +55°C
Ta -50°C +40°C, Ta -50°C +55°C
5. electrical specs
6. maximum surface temperature:
T85°C (for Ta +40°C)
T100°C (for Ta +55°C)
7. temperature class:
T6 (for Ta +40°C)
T5 (for Ta +55°C)

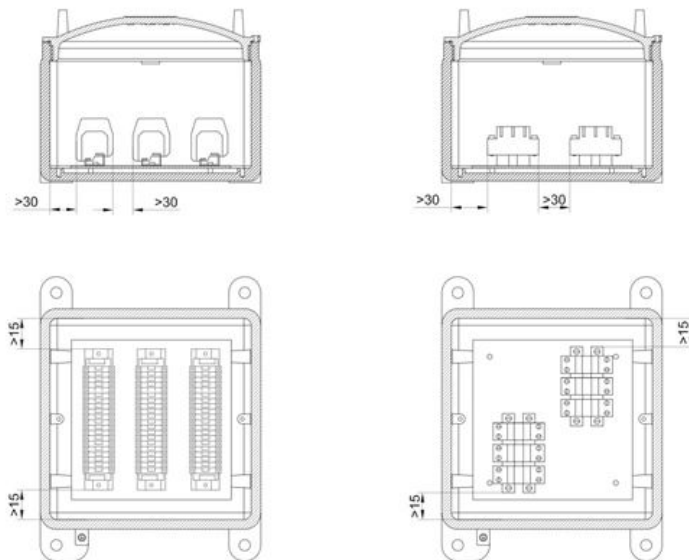
CHARACTERISTICS OF JUNCTION BOXES WITH TERMINALS :

TYPE OF ENCLOSURE	MAXIMUM NUMBER OF TERMINALS HOUSED								
	TERMINAL CROSS-SECTIONAL AREA								
	2.5	4	6	10	16	35	70	120	185
GUB	10	9	7	6	-	-	-	-	-
GUB-S	10	9	7	6	-	-	-	-	-
GUB-0	18	16	9	7	6	-	-	-	-
GUB-01	21	15	11	9	7	5	-	-	-
GUB-02	2x22	2x19	2x15	2x12	2x10	6	-	-	-
GUB-03	2x32	2x27	2x22	2x17	2x14	8	-	-	-
GUB-04	3x40	3x30	2x28	2x23	2x18	12	10	6	4
GUB-05	4x50	4x44	4x35	4x26	4x22	2x17	2x12	2x8	7

APPLICATION SECTORS :



EXAMPLES OF TERMINALS WITH MINIMUM INSTALLATION DISTANCES :



CERTIFICATION DATA FOR BOXES WITH TERMINAL :

Classification:

Group II


Category 2GD

Installation: EN 60079-14

zone 1 - zone 2 (Gas)

zone 21 - zone 22 (Dust)

Marking:

CE 0722  II 2 GD - Ex d IIC T6, T5 Gb - Ex tb IIIC T85, T100°C Db - IP66

Certification:

ATEX CESI 01 ATEX 035

IEC Ex CES 16.0013X

All IEC Ex certification data can be downloaded from www.cortemgroup.com

TR CU AVAILABLE

All TR CU certification data can be downloaded from www.cortemgroup.com



CCoE AVAILABLE

All CCoE certification data can be downloaded from www.cortemgroup.com

Standards:

CENELEC EN 60079-0: 2009, EN 60079-1: 2007, EN 60439-1, EN 60079-31: 2009, EN 60529: 1991 and EUROPEAN DIRECTIVE 2014/34/UE

 **Ambient Temp.:**

 -50°C  +40°C

With temperature class T6 and maximum surface temperature T85°C.

 -50°C  +55°C

With temperature class T5 and maximum surface temperature T100°C.

Degree of protection:

IP66