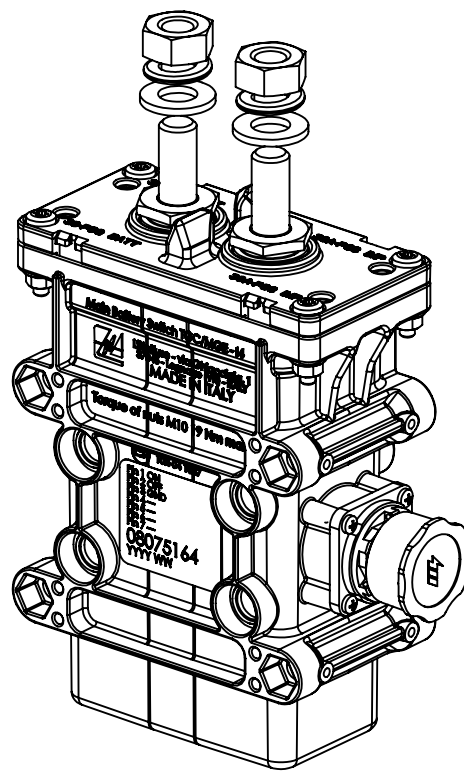
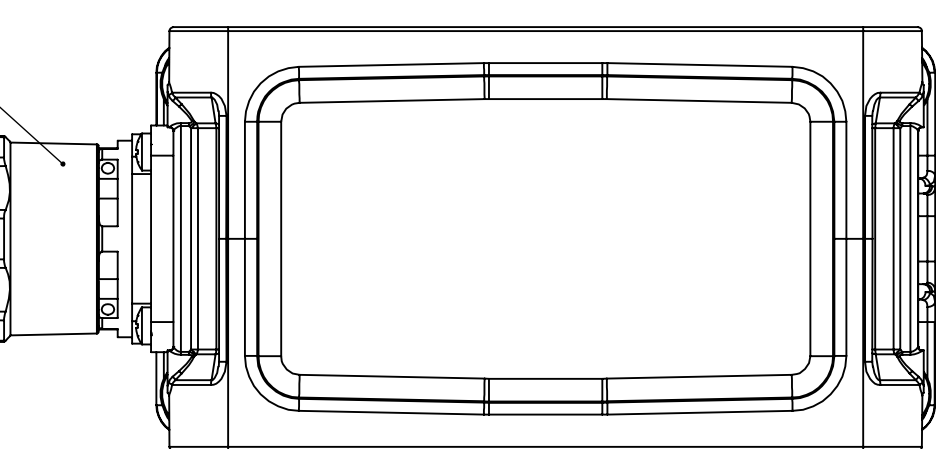
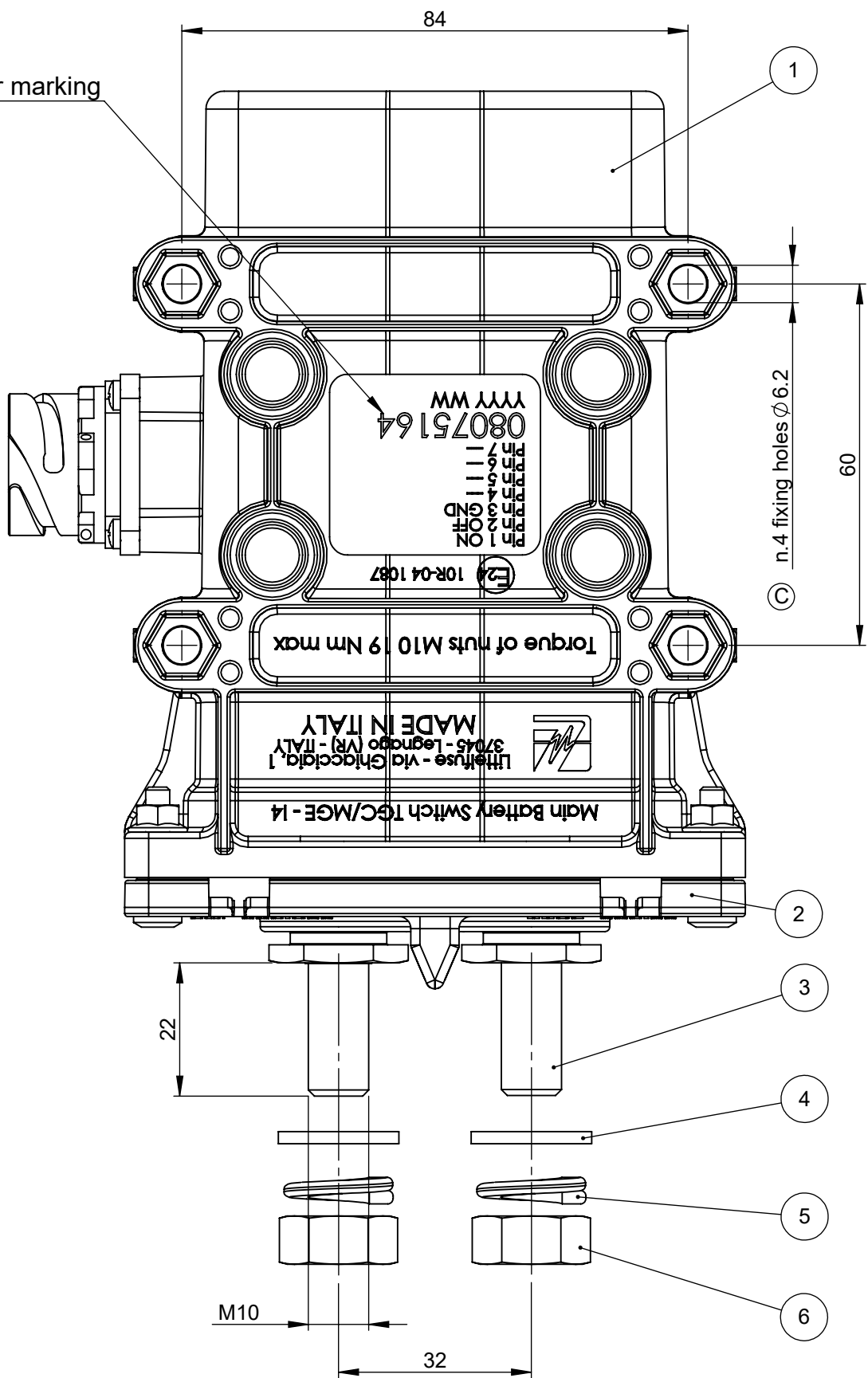
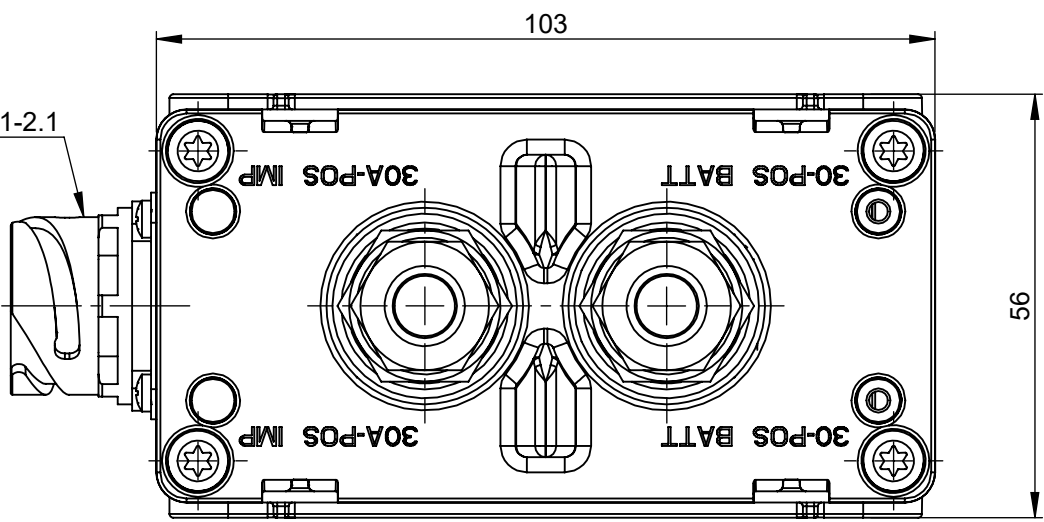
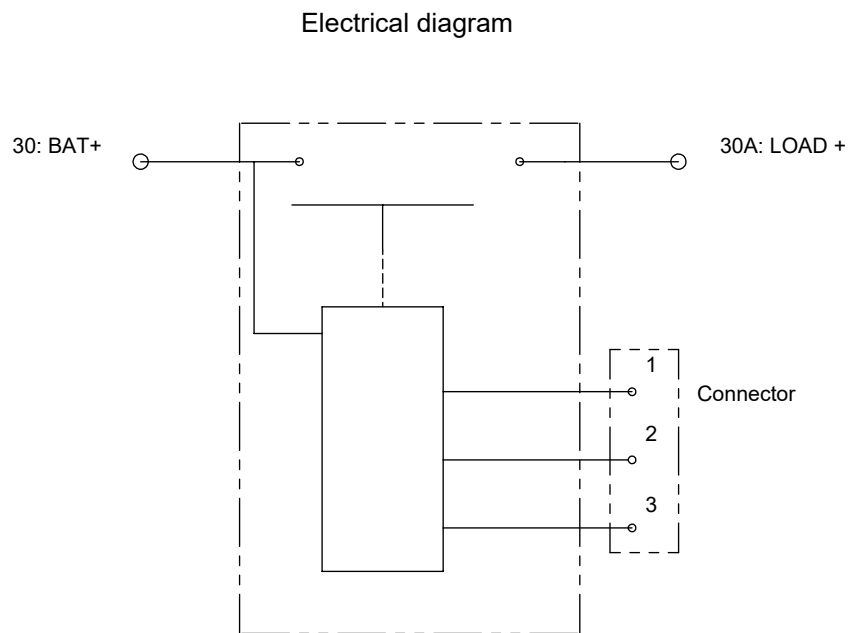


A diagram showing a vertical wall section. A circular callout labeled '7' points to the wall surface.



**SCALE 1 : 2**



|               |              |              |
|---------------|--------------|--------------|
| PIN connector | connected to | Main contact |
| 1             | floating     | OFF          |
| 2             | GND          |              |
| 3             | GND          |              |

| PIN connector | connected to | Main contact |
|---------------|--------------|--------------|
| 1             | GND          | ON           |
| 2             | floating     |              |
| 3             | GND          |              |

## NOTES

- Test specifications: Littelfuse CPP00047
- Torque of screw M10 =  $18 \pm 1$  Nm
- Fix the device with M6 screw and with torque of  $6 \pm 2$  Nm
- Nuts and bolts supplied on kit Littelfuse p/N 10843650

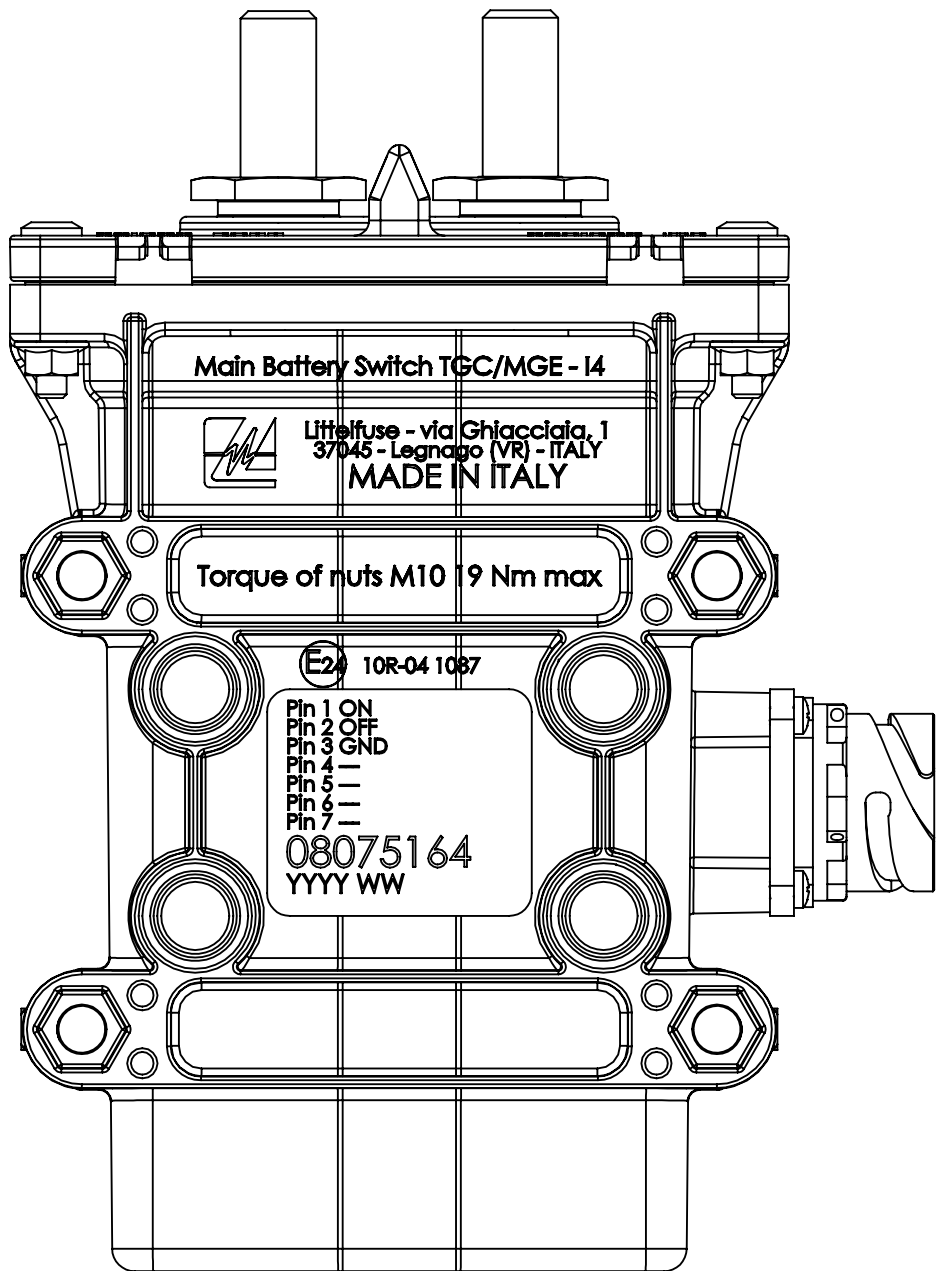
Characteristic:

- Nominal working tension: 12V ÷ 24V
- Nominal working current: 500A (1h, at 23°C, with cables size of 90 mm² minimum)
- Nominal max current main contact: 2000A for 5 sec. at 23±5°C
- Number of mechanical operations: 150.000
- Number of electrical operations: 50.000

SAP drawing number: 10000108502

**Material and treatments:**

| REVISIONS |                                                                                                      |           |           |          |
|-----------|------------------------------------------------------------------------------------------------------|-----------|-----------|----------|
| REV.      | DESCRIPTION                                                                                          | DATE      | DESIGNED  | APPROVED |
| A         | 1st issue                                                                                            | 19-Apr-19 | Dal Molin | Tinto    |
| B         | Removed IP degree and working temperature                                                            | 07-Feb-20 | Dal Molin | Tinto    |
| C         | Removed label n. serial and added new marking on the TGC box. Added notes and view for laser marking | 13-Apr-21 | Dal Molin | Tinto    |



|      |                      |            |     |
|------|----------------------|------------|-----|
| 7    | Plug                 | 1          | EA  |
| 6    | Nut M10              | 2          | EA  |
| 5    | Spring washer        | 2          | EA  |
| 4    | Plane washer         | 2          | EA  |
| 3    | Power stud           | 2          | EA  |
| 2    | Contact-holder cover | 1          | EA  |
| 1    | Connector box        | 1          | EA  |
| BOM# | COMPONENT NAME       | QUANTITY/M | U/M |

|                                                                                                                                                                             |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------|--------------|---------------|
| DIMENSIONS AND TOLERANCES IN MILLIMETERS, DEFINED ACCORDING TO ISO 1101-2017.                                                                                               |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
| linear dimensions                                                                                                                                                           |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
| 0,5<br>3                                                                                                                                                                    | >3<br>6                                                                                                                                                             | >6<br>30                                                                                                                                          | >30<br>120  | >120<br>400                                                    | >400<br>1000 | >1000<br>2000 |
| ±0,2                                                                                                                                                                        | ±0,3                                                                                                                                                                | ±0,5                                                                                                                                              | ±0,8        | ±1,2                                                           | ±2           | ±3            |
| angle (for range of lengths)                                                                                                                                                |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
| up to<br>10                                                                                                                                                                 | >10<br>50                                                                                                                                                           | >50<br>120                                                                                                                                        | >120<br>400 | >120<br>400                                                    |              |               |
| ±1°30'                                                                                                                                                                      | ±1°                                                                                                                                                                 | ±0°30'                                                                                                                                            | ±0°15'      |                                                                |              |               |
|                                                                                        | FIT/ FUNCTION CRITICAL CHARACTERISTICS SYMBOL                                                                                                                       |                                                                                                                                                   |             |                                                                |              |               |
| <S>                                                                                                                                                                         | SAFETY/ COMPLIANCE CRITICAL CHARACTERISTICS SYMBOL                                                                                                                  |                                                                                                                                                   |             |                                                                |              |               |
| CPK                                                                                                                                                                         | DENOTES CPK DIMENSIONS MINIMUM CPK VALUE                                                                                                                            |                                                                                                                                                   |             |                                                                |              |               |
|                                                                                        | DENOTES A CHARACTERISTIC THAT PROVIDES AN INDICATION OF PROCESS PERFORMANCE PROCEDURE FOR MEASUREMENT AND TRACKING TO BE DEFINED IN FITTING INSPECTION INSTRUCTIONS |                                                                                                                                                   |             |                                                                |              |               |
| CP                                                                                                                                                                          | DENOTES CP DIMENSIONS, -MINIMUM CP VALUE MUST BE WITHIN THE DIMENSIONAL LIMITATIONS SHOWN ON DRAWING AND INITIALLY LOCATED TO ALLOW FOR MAXIMUM TOOL LIFE           |                                                                                                                                                   |             |                                                                |              |               |
| NAME                                                                                                                                                                        |                                                                                                                                                                     | DATE                                                                                                                                              |             |                                                                |              |               |
| DRAWN L. Dal Molin                                                                                                                                                          |                                                                                                                                                                     | 19-Apr-19                                                                                                                                         |             |                                                                |              |               |
| CHECKED                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
|                                                                                                                                                                             |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
|                                                                                                                                                                             |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
|                                                                                                                                                                             |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
| FORM NO. CVP-PE40-0013 REV A                                                                                                                                                |                                                                                                                                                                     |  <b>Littelfuse®</b><br>Expertise Applied   Answers Delivered |             |                                                                |              |               |
| FIRST ANGLE PROJECTION                                                                                                                                                      |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
|   |                                                                                                                                                                     |                                                                                                                                                   |             |                                                                |              |               |
| DO NOT SCALE DRAWING                                                                                                                                                        |                                                                                                                                                                     | SCALE 1:1                                                                                                                                         |             | TITLE<br>ELECTRICAL BDS 500A 12/24 -<br>TGC/DWG-14<br>SIZE: A2 |              |               |
|                                                                                                                                                                             |                                                                                                                                                                     | OUTLINE REV. C<br>OL-08075164                                                                                                                     |             |                                                                | SHEET 1 OF 1 |               |