1. DESCRIPTION - USE

. Shunt release (ET): allows the remote tripping of the associated device and the remand of the signalling of the tripping by an integrated contact.
. This device is equipped with a self-tripping contact

Symbol:

2. RANGE

. Cat n° 4 062 76: from 12 to 48 V~/= (a.c. / d.c.).
. Cat n° 4 062 78: from 110 to 415 V~ (a.c.) and from 110 to 125 V~ = (d.c.).

3. OVERALL DIMENSIONS

. 1 module width

4. PREPARATION - CONNECTION

Fixing:
. On symmetric EN/IEC 60715 or DIN 35 rail, by the device which is associated.

Operating positions:
. Vertical
. Horizontal
. Upside down
. On the side

Power Supply:
. Only from the bottom.

Terminals:
. Terminal depth: 8 mm.
. Stripping length: 8 mm

Screw head:
. Mixed, slotted and Pozidriv n°1 (UNI7596 type Z1).

Recommended tightening torque:
. 1 Nm.

Recommended tools:
. For the terminals: Pozidriv n°1 or flat screwdriver 4 mm.

Conductor type:

| Conductor Type | Copper cable
<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>Without ferrule</td>
</tr>
<tr>
<td>Rigid Cable</td>
<td>1 x 0,5 mm² to 1,5 mm²</td>
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<tr>
<td></td>
<td>2 x 1,5 mm²</td>
</tr>
<tr>
<td>Flexible Cable</td>
<td>1 x 0,5 mm² to 1,5 mm²</td>
</tr>
<tr>
<td></td>
<td>2 x 1,5 mm²</td>
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</tbody>
</table>

Display of shunt release state:
. By mechanical indicator on front face:
. - Red: indicates the tripping of the device by the coil. The auxiliary contact of the shunt release is in OFF position.
. - Transparent: the shunt release is in ON position (armed position, ready for tripping). The auxiliary contact of the shunt release is in ON position.

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Created: 15/12/2011
4. PREPARATION – CONNECTION (continued)

Manual actuation of the ET
By the handle of the associated device, for reset the shunt release.

Assembling:
- On the left side of Legrand MCB, IS, RCCBO, RCCB and isolating switches equipped or not with signalling auxiliaries
- No tool required. Clipped by mean of plastic clamps on the associated device.
- Assembling products in OFF position
- The switching device of the shunt release must be positioned above of the handle of the associated device or the signalling auxiliary

List of allowed associations (General rules):
- Three auxiliaries maximum which:
  - two signalling auxiliaries (Cat. n°(s) 4 062 50, 52, 56, 58, 60, 62, 64, 66).
  - Only one control auxiliary (Cat. n°(s) 4 062 76, 78, 80, 82, 84).
- If signalling and control auxiliaries are associated on the same circuit breaker, the command auxiliary must be placed to the left of the signal auxiliary (ref. 4 062 5x / 6x).
- If control auxiliaries are associated to devices of 1,5 modules width, is not possible to use signalling aux. ½ module width (cat n°(s) 4 062 50 / 52 / 56 / 58 / 60 / 62): is mandatorily to use signalling auxiliaries 1 module width (cat n°(s) 4 062 64 / 66).

List of allowed associations (Particular rules):
- With an isolating switch DX-IS:
  - only one signalling auxiliary CA type (Cat. n°(s) 4 062 50, 58 64, 66).
- With a remote trip head isolating switch DX-IS, three auxiliaries maximum which:
  - one or two signalling auxiliaries CA type (Cat. n°(s) 4 062 50, 58 64, 66).
  - one control auxiliary cat n°(s) 4 062 7x / 8x.
- With a MCB, IS, RCCBO, RCCB three auxiliaries maximum which:
  - one or two signalling auxiliaries, CA or SD type (Cat. n°(s) 4 062 50, 52, 56, 58, 60, 62, 64, 66).
  - one control auxiliary Cat. n°(s) 4 062 7x / 8x.

Wiring diagrams:
- Cat n 4 062 76.
4. PREPARATION –CONNECTION (continued)

Wiring diagrams: (continued)

. Cat n° 4 062 78

5. GENERAL CHARACTERISTICS

Front face marking:
. By permanent ink pad printing:
  cat n° 4 062 76
  cat n° 4 062 78

Operating voltage range (Un):
. Cat n° 4 062 76:
  - from 12 to 48 V = (a.c. / d.c.).
. Cat n° 4 062 78:
  - from 110 to 415 V = (a.c.)
  - and from 110 to 125 V = (d.c.).

Operating range (in % of Un):
. 70 to 115% of Un.

5. GENERAL CHARACTERISTICS (continued)

Tripping time:
. ≤ 20 ms.

Power absorbed:
. Cat n° 4 062 76:
  - 12 V d.c. = 5.16 W.
  - 12 V a.c. = 6.12 VA.
  - 48 V d.c. = 56.45 W.
  - 48 V a.c. = 94.56 VA.
. Cat n° 4 062 78:
  - 110 V d.c. = 6.16 W.
  - 110 V a.c. = 7.97 VA.
  - 125 V d.c. = 7.62 W.
  - 415 V a.c. = 120.76 VA.

Coil impedance:
. Cat n° 406 276 : Z = 23 Ω.
. Cat n° 406 278 : Z = 1640 Ω.

Thermal current:
. Ith = 6A.

Rated impulse withstand voltage:
. Uimp = 5kV.

Insulation voltage:
. Ui = 500 V

Dielectric strength:
. 2500 V.

Tripping force:
. 3 Nm.

Mechanical endurance:
. 3,000 electrical tripping.
. These devices support the mechanical cycles of the associated devices.

Ambient temperatures:
. Operation: from −25 °C to +70 °C.
. Storage: from −40 °C to +70 °C.

Enclosure material:
. Polycarbonate charged 10% glass fiber.
. Characteristics of this material: self-extinguishing, heat and fire resistant according to EN 60898-1, glow-wire test at 960°C for external parts made of insulating material necessary to retain in position current-carrying parts and parts of protective circuit (650°C for all other external parts made of insulating material).
5. GENERAL CHARACTERISTICS (continued)

Degree of class protection:
- Protection index of terminals against solid and liquid bodies: IP20 (in accordance with standards IEC 529, EN 60529 and NF C 20-010).
- Protection index of the box against solid and liquid bodies: IP40 (in accordance with standards IEC 529, EN 60529 and NF C 20-010).
- Protection index against mechanical shocks: IK02 (in accordance with standards EN 50102 and NF C 20-015).

Sinusoidal vibration resistance in accordance with IEC 60068-2-6.
- Axes: x, y, z.
- Frequency range: 5÷100 Hz; duration 90 minutes
- Displacement (5÷13,2 Hz): 1mm
- Acceleration (13,2÷100 Hz): 0,7g (g=9,81 m/s²)

Average weight per device:
- 0,081 kg.

Volume when packed:
- 0,21 dm³.

6. COMPLIANCE AND APPROVALS

In accordance with:
- CEE guidelines: 73/23/CEE + 93/68/CEE

Plastic materials:
- Halogens-free plastic materials.
- Marking of parts according to ISO 11469 and ISO 1043.

Packaging:
- Design and manufacture of packaging in accordance with Decree 98-638 of 07.20.98 and Directive 94/62/EC