Mounting condition

Z (2:1)

Detail: Y
Magnets safety clearance
Y (4:1)

Φ 31.5 mm max

Identification label

Power cable connection
Phase 1 = Wire 1
Phase 2 = Wire 2
Phase 3 = Wire 3
Ground = Wire yellow-Green
Neutral = Wire 5 or Br1 or White
Not connected = Wire 6 or Br2 or Black

For temperature sensor configuration, see Handbook
(*): Red wire (if present) is not connected on the motor side and cut flush on cable extremity.

(**): This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.
Sensors configuration 8

- White
- Brown
- Green
- Yellow
- Grey
- Pink
- Blue
- Red (*')

Phase 1
Phase 2
Phase 3

KTY84
KTY84
KTY84

SNM120
S01.120

Sensor configuration H

- White
- Brown
- Green
- Yellow
- Grey
- Pink
- Blue
- Red (*')

Phase 1
Phase 2
Phase 3

KTY84
KTY84
KTY84
KTY84
KTY84
KTY84

Sensor configuration T

- White
- Brown
- Green
- Yellow
- Grey
- Pink
- Blue
- Red

Phase 1
Phase 2
Phase 3

PT 1000
PT 1000
PT 1000

SNM 120

Power cable connection

<table>
<thead>
<tr>
<th>Color and wire number</th>
<th>Function</th>
<th>Drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black wire with number 1 or U</td>
<td>Phase 1 (PH1)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number 2 or V</td>
<td>Phase 2 (PH2)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number 3 or W</td>
<td>Phase 3 (PH3)</td>
<td></td>
</tr>
<tr>
<td>Yellow and green wire</td>
<td>Ground (GND)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number Br1 or 5 or white cable</td>
<td>Neutral point wire (present only on some motor types)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number Br2 or 6 or black wire without label</td>
<td>None(**)</td>
<td></td>
</tr>
</tbody>
</table>

(*): Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.

(**): This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.

Wire section (mm²)

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>4 x 1.5</th>
<th>4 x 1.5 + 2 x 1.5</th>
<th>4 x 2.5</th>
<th>4 x 2.5 + 2 x 1.5</th>
<th>4 x 4</th>
<th>4 x 4 + 2 x 1.5</th>
<th>4 x 10</th>
<th>4 x 10 + 2 x 1.5</th>
<th>Sensor cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable motors: TMM / TML</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0140</td>
<td>0175</td>
<td>0175</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0175</td>
<td>0210</td>
<td>0210</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0210</td>
<td>0291</td>
<td>0291</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0291</td>
<td>0360</td>
<td>0360</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0360</td>
<td>0450</td>
<td>0450</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0450</td>
<td>0530</td>
<td>0530</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Minimum bend radius for fixed cable

- R = 4 X D
- R = 5 X D
- R = 4 X D
- R = 4 X D
- R = 4 X D
- R = 4 X D
- R = 4 X D
- R = 6 X D

Minimum bend radius for moving cable

- R = 7.5 x D
- R = 7.5 x D
- R = 7.5 x D
- R = 7.5 x D
- R = 7.5 x D
- R = 7.5 x D
- R = 7.5 x D

Representation
Mounting condition

Z  (2H)

Detail: Y
Magnets safety clearance

\[ Y \times 411 \]

\[ \text{Detail: Y} \]

\[ \text{Magnets safety clearance} \]

Power cable connection

- Phase 1 = Wire 1
- Phase 2 = Wire 2
- Phase 3 = Wire 3
- Ground = Wire yellow-green
- Neutral = Wire 5 or 8 or white
- Not connected = Wire 6 or red or black

For temperature sensor configuration, see Handbook
**Power cable connection**

<table>
<thead>
<tr>
<th>Color and wire number</th>
<th>Function</th>
<th>Drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black wire with number 1 or U</td>
<td>Phase 1 (PH1)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number 2 or V</td>
<td>Phase 2 (PH2)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number 3 or W</td>
<td>Phase 3 (PH3)</td>
<td></td>
</tr>
<tr>
<td>Yellow and green wire</td>
<td>Ground (GND)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number Br1 or 5 or white cable</td>
<td>Neutral point wire (present only on some motor types)</td>
<td></td>
</tr>
<tr>
<td>Black wire with number Br2 or 6 or black wire without label</td>
<td>None(**)</td>
<td></td>
</tr>
</tbody>
</table>

(**): This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.

**Wire section (mm²)**

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>4 x 1.5</th>
<th>4 x 1.5 + 2 x 1.5</th>
<th>4 x 2.5</th>
<th>4 x 2.5 + 2 x 1.5</th>
<th>4 x 4</th>
<th>4 x 4 + 2 x 1.5</th>
<th>4 x 10</th>
<th>4 x 10 + 2 x 1.5</th>
<th>Sensor cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicable motors: TMM / TML</td>
<td>0140</td>
<td>0175</td>
<td>0210</td>
<td>0291</td>
<td>0360</td>
<td>0450</td>
<td>0530</td>
<td>0530</td>
<td>0450</td>
</tr>
<tr>
<td>Minimum bend radius for fixed cable</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 5 X D</td>
<td>R = 6 X D</td>
</tr>
<tr>
<td>Minimum bend radius for moving cable</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
</tr>
</tbody>
</table>

(*): Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.

---

**Characteristics**

- **Sensor configuration 8**
- **Sensor configuration H**
- **Sensor configuration T**

**Power cable connection**

- **Black wire with number 1 or U**
- **Black wire with number 2 or V**
- **Black wire with number 3 or W**
- **Yellow and green wire**
- **Neutral point wire (present only on some motor types)**

**Wire section (mm²)**

- **Applicable motors: TMM / TML**
- **Minimum bend radius for fixed cable**
- **Minimum bend radius for moving cable**

---

**Representation**

- **Sensor configuration 8**
- **Sensor configuration H**
- **Sensor configuration T**

---

**Additional notes**

- Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.
Sensors configuration 8

Sensor configuration H

Sensor configuration T

Power cable connection

<table>
<thead>
<tr>
<th>Color and wire number</th>
<th>Function</th>
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<tr>
<td>Black wire with number Br2 or 6 or black wire without label</td>
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<td></td>
</tr>
</tbody>
</table>

(**) This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.

Wire section (mm²)

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>4 x 1.5</th>
<th>4 x 1.5 + 2 x 1.5</th>
<th>4 x 2.5</th>
<th>4 x 2.5 + 2 x 1.5</th>
<th>4 x 4</th>
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<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0140</td>
<td>0215</td>
<td>0291</td>
<td>0360</td>
<td>0450</td>
<td>0530</td>
<td>0450</td>
<td>0530</td>
<td></td>
</tr>
</tbody>
</table>

Minimum bend radius for fixed cable

R = 4 x D
R = 5 x D
R = 6 x D

Minimum bend radius for moving cable

R = 7.5 x D
R = 7.5 x D
R = 12 x D

Red (*) wire: Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.

(*) Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.

Black wire with number Br1 or 5 or white cable

Neutral point wire (present only on some motor types)

Neutral point wire (present only on some motor types)
**Sensors Configuration**

### Sensor configuration 8
- White (+), Brown (+), Green (+), Yellow (+), Grey (+), Pink (+), Blue (+), Red (*)

**KTY84**
- **Phase 1**
  - KTY84
  - S01.120

**SNM120**
- **Phase 2**
  - KTY84
- **Phase 3**
  - KTY84

### Sensor configuration H
- White (+), Brown (+), Green (+), Yellow (+), Grey (+), Pink (+), Blue (+), Red (*)

**KTY84**
- **Phase 1**
  - KTY84
  - S01.120

**SNM120**
- **Phase 2**
  - KTY84
- **Phase 3**
  - KTY84

### Sensor configuration T
- White (+), Brown (+), Green (+), Yellow (+), Grey (+), Pink (+), Blue (+), Red (*)

**PT 1000**
- **Phase 1**
  - PT 1000
- **Phase 2**
  - PT 1000
- **Phase 3**
  - PT 1000

**SNM 120**

---

**Power cable connection**

<table>
<thead>
<tr>
<th>Color and wire number</th>
<th>Function</th>
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(**): This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.

---

**Wire section (mm²)**

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<td>0291</td>
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<td>0450</td>
<td>0530</td>
<td>0530</td>
<td>All TMM / TML 0530</td>
</tr>
<tr>
<td>Minimum bend radius for fixed cable</td>
<td>R = 4 X D</td>
<td>R = 5 X D</td>
<td>R = 5 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 4 X D</td>
<td>R = 6 X D</td>
<td></td>
</tr>
<tr>
<td>Minimum bend radius for moving cable</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 7.5 X D</td>
<td>R = 12 X D</td>
<td></td>
</tr>
</tbody>
</table>

---

(*) Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.
Power cable connection

<table>
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<tr>
<td>Black wire with number Br2 or 6 or black wire without label</td>
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</tbody>
</table>

(*): Red wire (if present) is not connected on the motor side and cutted flush on cable extremity.

(**): This wire is automatically present when the neutral point wire (which is an option) is added in the motor as it is a 2 x 1.5 mm² cable.

Wire section (mm²)

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>4 x 1.5</th>
<th>4 x 1.5 + 2 x 1.5</th>
<th>4 x 2.5</th>
<th>4 x 2.5 + 2 x 1.5</th>
<th>4 x 4</th>
<th>4 x 4 + 2 x 1.5</th>
<th>4 x 10</th>
<th>4 x 10 + 2 x 1.5</th>
<th>Sensor cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 1.5 Sensor cable</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Applicable motors:**

- TMM / TML
- TMB
- PT 1000
- S01.120
- SNM 120

**Minimum bend radius for fixed cable**

- R = 4 X D
- R = 5 X D
- R = 4 X D
- R = 5 X D
- R = 4 X D
- R = 5 X D
- R = 6 X D

**Minimum bend radius for moving cable**

- R = 7.5 X D
- R = 7.5 X D
- R = 7.5 X D
- R = 7.5 X D
- R = 7.5 X D
- R = 7.5 X D
- R = 12 X D

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ETF S.A.
2102 Mattimo
SWITZERLAND

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