

**Preliminary operations** EN

- Check the following upon delivery and after removal of the packaging:
- Packaging and contents are in good condition.
  - The product reference corresponds to the order.
  - Contents should include:
    - Qty 1 x MLBS
    - Qty 1 x Emergency handle and fixing clip
    - Quick Start instruction sheet

**Предварительные действия** RUS

- После доставки и распаковки проверьте следующие параметры:
- Упаковка и содержимое находятся в хорошем состоянии.
  - Характеристики оборудования соответствуют заявленным.
  - Комплект поставки должен включать:
    - Кол-во 1 шт. - Переключатель нагрузки с мотор-приводом MLBS
    - Рукоятку и выносной кронштейн для её хранения
    - Инструкцию по монтажу и эксплуатации

**Warning**

**⚠ Risk of electrocution, burns or injury to persons and / or damage to equipment.**

This Quick Start is intended for personnel trained in the installation and commissioning of this product. For further details refer to the product instruction manual available on the ETI website.

- This product must always be installed and commissioned by qualified and approved personnel.
- Maintenance and servicing operations should be performed by trained and authorised personnel.
- Do not handle any control or power cables connected to the product when voltage may be, or may become present on the product, directly through the mains or indirectly through external circuits.
- Always use an appropriate voltage detection device to confirm the absence of voltage.
- Ensure that no metal objects are allowed to fall in the cabinet (risk of electrical arcing).

Failure to observe good engineering practises as well as to follow these safety instructions may expose the user and others to serious injury or death.

**⚠ Risk of damaging the device**

- In case the product is dropped or damaged in any way it is recommended to replace the complete product.

**OPAZORILLO**

**⚠ NEVARNOST ELEKTRIČNEGA UDARA.**

- To opremo lahko namešča in vzdržuje le strokovno usposobljena oseba.
- Pred postopkom montaže in vzdrževanjem naprave je potrebno izklopiti električno napajanje in ga vključiti šele po zaključenem postopku.
- Z ustrežno napravo preverite odsotnost napajanja.
- Naprave, dele naprav in zaščitne pokrove menjajte in nameščajte le v brez napetostnem stanju.

Neupoštevanje teh navodil lahko povzroči hude poškodbe ali smrt.

**OPASNOST**

**⚠ OPASAN NAPON.**

- Ovu opremu smije instalirati i servisirati samo kvalifikovano električarsko osoblje.
- Isključite svako napajanje ove opreme prije rada na unutrašnjem/ vanjskom dijelu opreme.
- Uvijek koristite adekvatno deklarisan uređaj za ispitivanje napona za provjeru isključenosti napajanja.

Namjestite sve uređaje, vrata i poklopce prije ponovnog uključenja napajanja.

**Предписание**

**⚠ Опасность поражения человека электрическим током, возникновения ожогов, травм и/или повреждения оборудования.**

- Монтаж и обслуживание данного оборудования, осуществляется только квалифицированным и обученным персоналом. Для получения более подробной информации обратитесь к специалистам или ознакомьтесь с информацией на веб-сайте компании ETI.
- Монтаж и обслуживание данного оборудования, осуществляется только квалифицированным и обученным персоналом.
- Отключите цепи питания данного оборудования перед началом работы с устройством.
- Всегда используйте исправный индикатор для подтверждения отсутствия напряжения питания.
- Проверьте, что между инструментом и приемником нет никаких металлических предметов.

Несоблюдение этих инструкций может привести к серьезным травмам или даже летальному исходу.

**Accessories**

- Control relay ATSC20.

**Аксессуары**

- Контроллер ABP ATSC20.

For further details, please refer to the instruction manual in chapter - "Spare parts and accessories" / Для получения более подробной информации обратитесь к руководству по эксплуатации.

Printing informations: 1 color Black. White paper 90g/m<sup>2</sup>.  
 Printing size: 420x297. Final size 210x297. This page visible first.

ETI, d.o.o., Obrezja 5, SI-1411 Izlake  
 www.etigroup.eu/products-services



Non contractual document.  
 Subject to change without notice.

### Installation and Commissioning

**STEP 1**  
Cabinet / Back Plate Installation

**STEP 2**  
Connecting the POWER section

**STEP 3**  
COMMAND / CONTROL terminal connections

**STEP 4**  
Power SUPPLY terminal connections

**STEP 5**  
CHECK

**STEP 6A**  
Control by an external order (AUTO)

**STEP 6B**  
Emergency Manual Operation

**STEP 6C**  
Padlocking

### STEP 1 Installation

Attention: Ensure that the product is installed on a flat rigid surface. Orientation:

Recommended

Ok

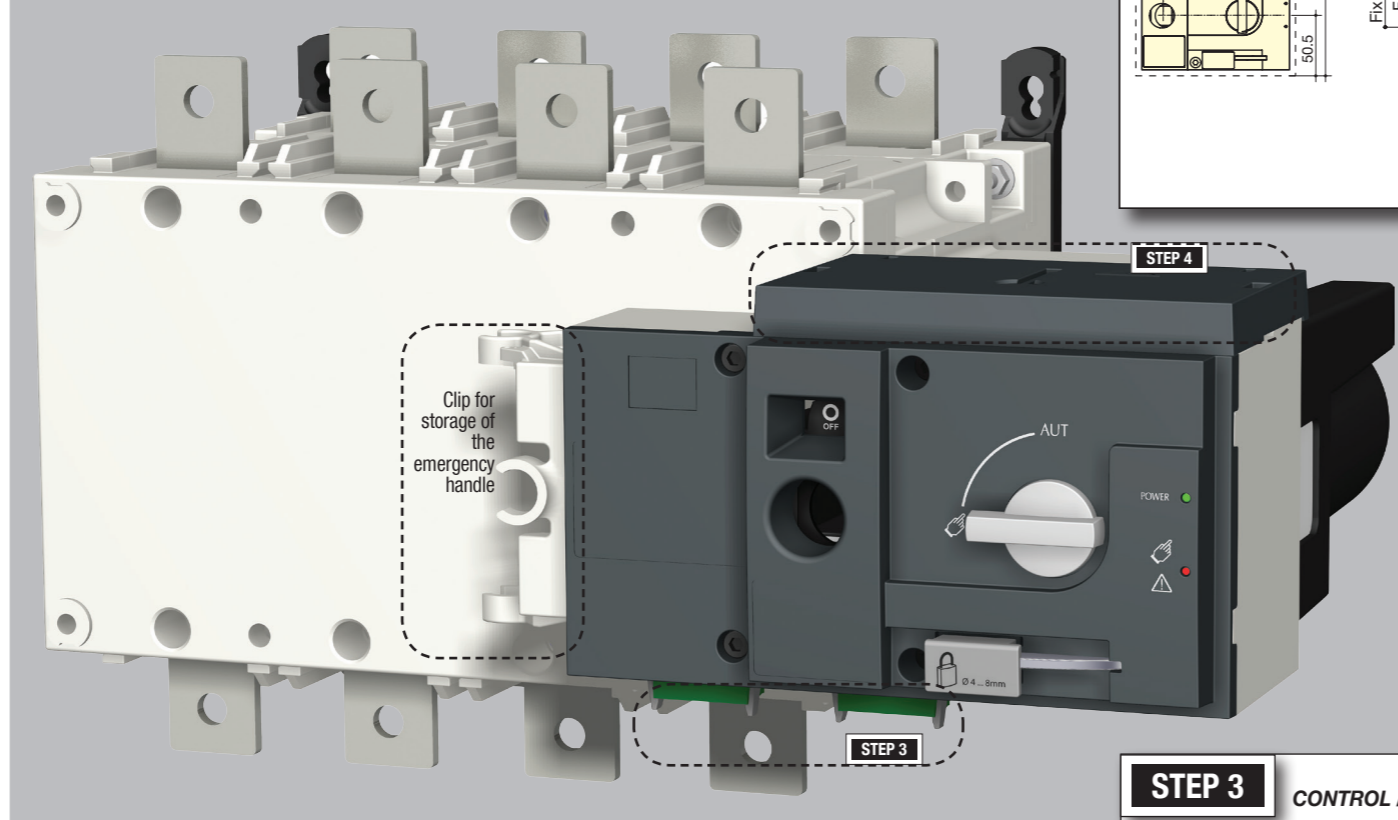
Wrong

Ok

Door cut-out for front panel:

Dimensions in mm.

	250 A	400 A	630 A
<b>J1</b>	35	35	34
<b>M</b>	160	160	210
<b>T</b>	50	50	65
<b>C</b>	244	244	320
<b>U</b>	25	35	45
<b>W</b>	11	11	13
<b>CA</b>	15	15	20



### STEP 2 Power Terminal Connections

To be connected using terminal lugs, rigid or flexible busbars.

	250 A	400 A	630 A
Minimum cable section Cu (mm <sup>2</sup> ) at lth (IEC 60947-1)	95	185	2x120
Recommended cable section Cu (mm <sup>2</sup> ) at lth	-	-	2x40x5
Maximum cable section Cu (mm <sup>2</sup> )	150	240	2x300
Maximum Cu busbar width (mm)	32	32	50
Type of screw	M10	M10	M12
Recommended tightening torque (N.m)	20	20	40
Maximum tightening torque (N.m)	26	26	45

### STEP 6B Manual Operation

### STEP 5 Check

Whilst in manual mode, check the wiring and if ok power up the product.

LED "Power" Green: ON

LED Manual/Default Red (Product not Available): ON

Aux Supply 230V~ (208-277V~ +/-20%)

### STEP 6A Automatic Operation

Ensure that the emergency handle is not inserted in the product and turn the mode selector to the AUT position. LED "Power" Green: ON LED Manual/Default: OFF

Impulse logic

Contactor logic

Imp. >=60ms      maintained

To enable control, close contact 312 with 317.

To force the product to 0 position/OFF bridge the contact 313 with 317.

For contactor logic bridge contact 316 with 317.

To operate: close the contact corresponding to the desired position.

### STEP 3 CONTROL / COMMAND Terminals - Ensure that the product is in Manual Mode.

Connect the product with a cable of section of 1,5 to 2,5 mm<sup>2</sup>.  
 Screw M3 - Tightening torque: min.: 0.5 Nm - max.: 0.6 Nm

### STEP 4 Power Supply Terminal - Remove the Top cover to access and connect the terminal - Replace the cover before putting in service.