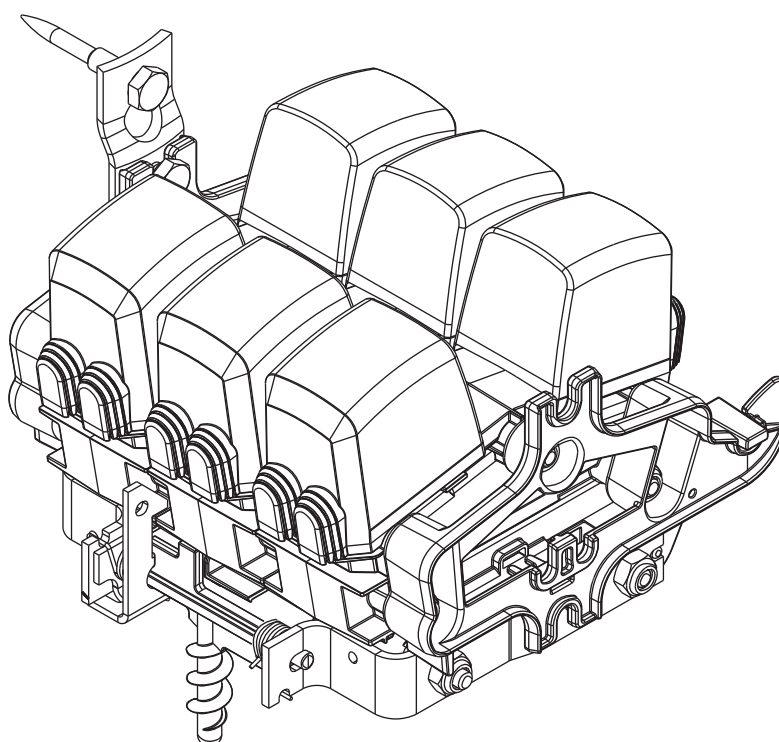




Saves Your Energy

**INSTALLATION INSTRUCTION PEM1819ENG
2016-01**

ENGLISH



**POLE FUSE SWITCH DISCONNECTOR
SZ160.X**

GENERAL INFORMATION

- Check that the product is suitable for intended installation.
- Check the materials listed in the bill of materials for completeness.
- Read the installation instructions carefully before starting the installation.
- Install carefully and make sure the materials are clean during the installation.
- Clean the working place after the installation.

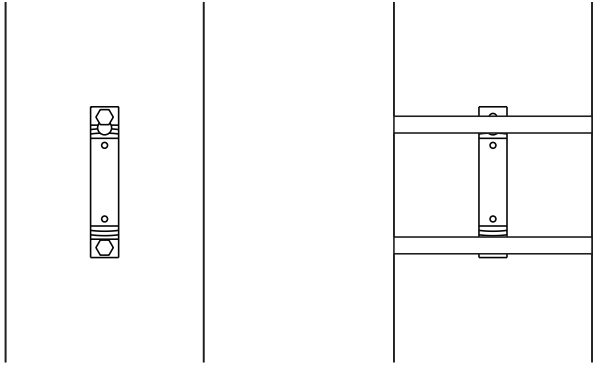
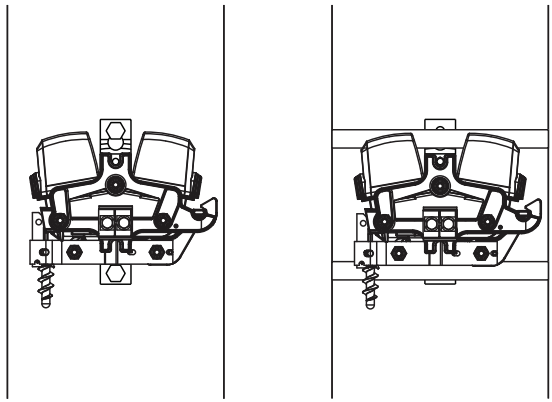
LEGAL NOTICE

- The product must be installed only by a competent person with sufficient training in installation practices and with sufficient knowledge of good safety and installation practices in respect of electrical equipment. If local legislation contains provisions in respect of such training or sufficient knowledge in respect of installation of electrical equipment such provisions shall be fulfilled by the said person.
- Ensto accepts no liability concerning claims resulting from misuse, incorrect installation or ignored national safety regulations or other national provisions.
- WARNING: Failure to follow the installation instructions may result in damage to the product and serious or fatal injury.

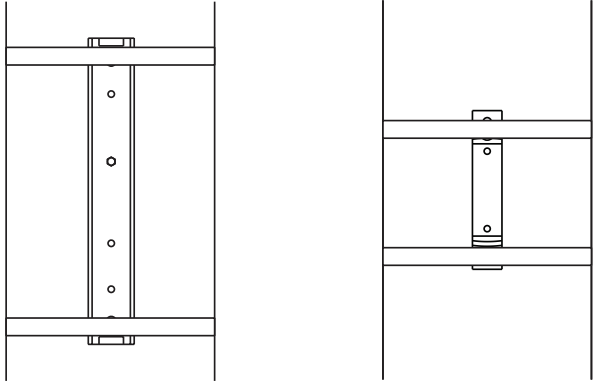
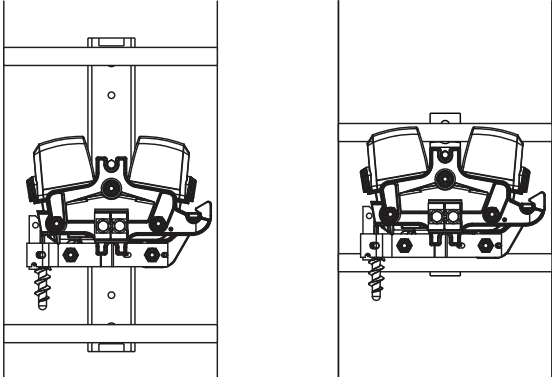
Table 1

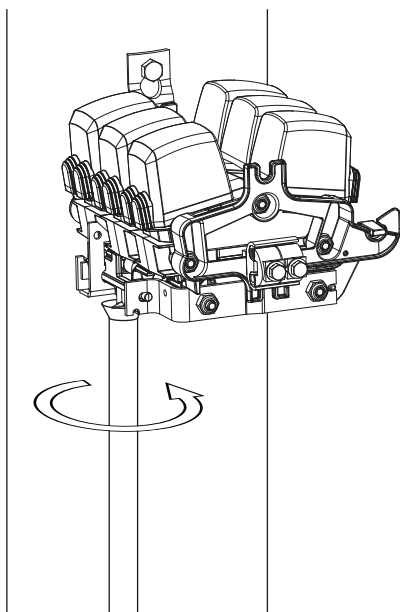
Product	GTIN	Rated values	Conductor size mm ²	Fuse contact	N. of poles
SZ160.1	6438100318307	160 A, 240 V	Al/Cu 2x(16-120)	NH00	1
SZ160.3	6438100318314	160 A, 415 V	Al/Cu 2x(16-120)	NH00	3
SZ160.32	6438100318321	160 A, 415 V	Al/Cu 2x(16-120)	NH00	3
SZ160.4	6438100318338	160 A, 415 V	Al/Cu 2x(16-120)	NH00	4
SZ160.41	6438100318345	160 A, 415 V	Al/Cu 2x(16-120)	NH00	3

Installation on a wooden pole

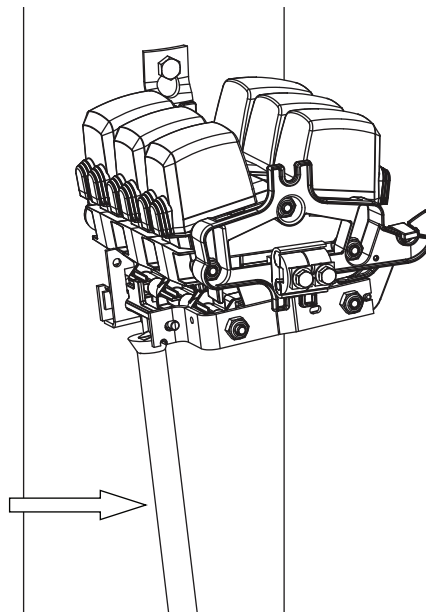
	
<p>With screws:</p> <ol style="list-style-type: none"> 1. Measure the correct position for the attachment bar. 2. Drill initial holes for the screws. 3. Screw the bar onto the pole with wooden screws supplied. 4. Screw the pole fuse switch disconnecter onto the attachment bar. <p>With pole band:</p> <ol style="list-style-type: none"> 1. Measure the correct position for the attachment bar. 2. Use banding tool CT42 to tighten steel band CT37 and steel buckle CT36 to attach the bar firmly to the concrete pole. 3. Screw the pole fuse switch disconnecter onto the attachment bar. 	

Installation on a concrete pole

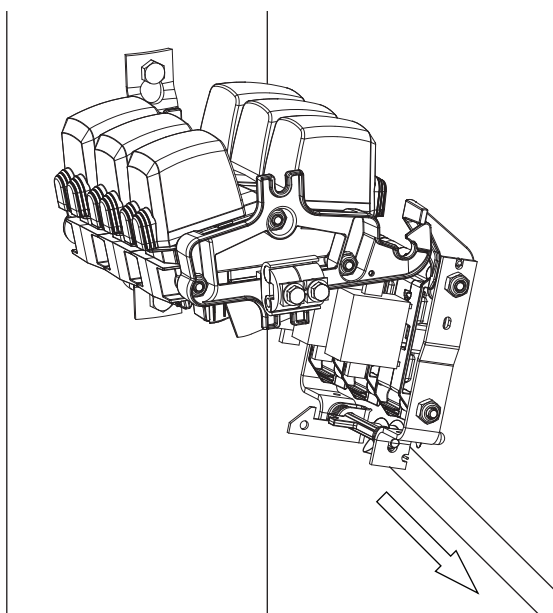
	
<ol style="list-style-type: none"> 1. Measure the correct position for the attachment bar PEK49. 2. Use banding tool CT42 to tighten steel band CT37 and steel buckle CT36 to attach the bar firmly to the concrete pole. 3. Screw the pole fuse switch disconnecter onto the attachment bar PEK49. 	

How to open the pole fuse switch disconnecter:

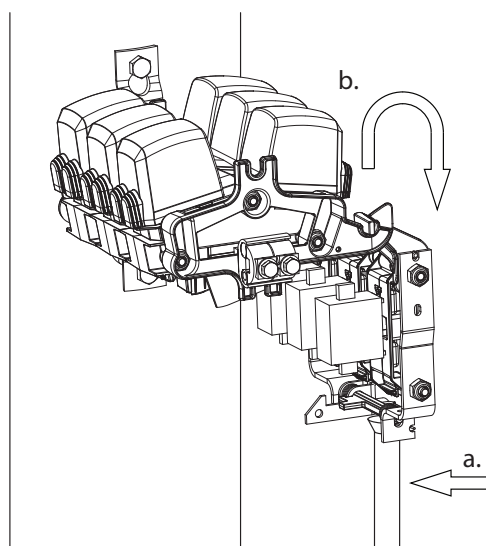
1. Screw the operating rod into the disconnecters screw until it stops.



2. Tilt the operating rod towards the hinge side to unlock the hook.

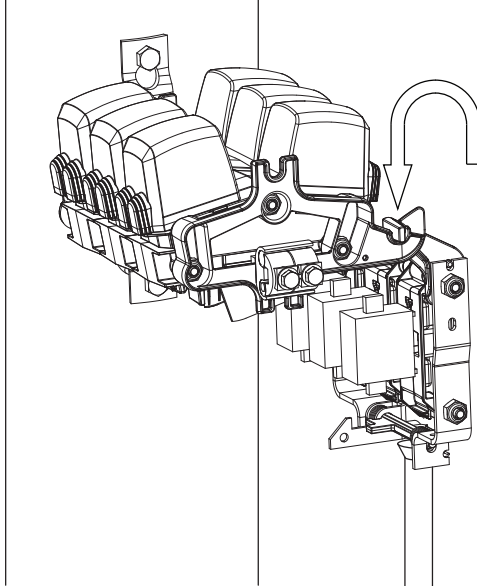
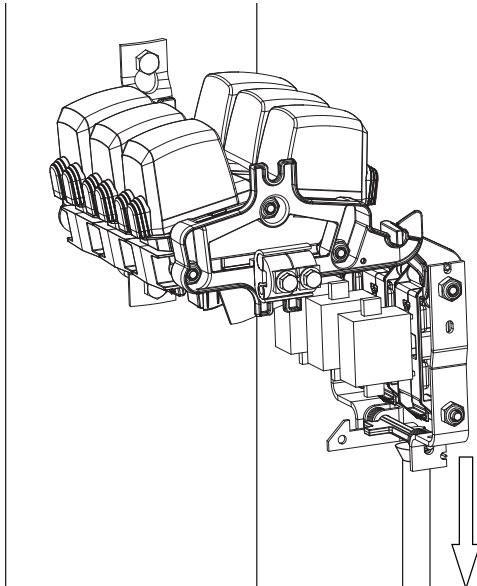
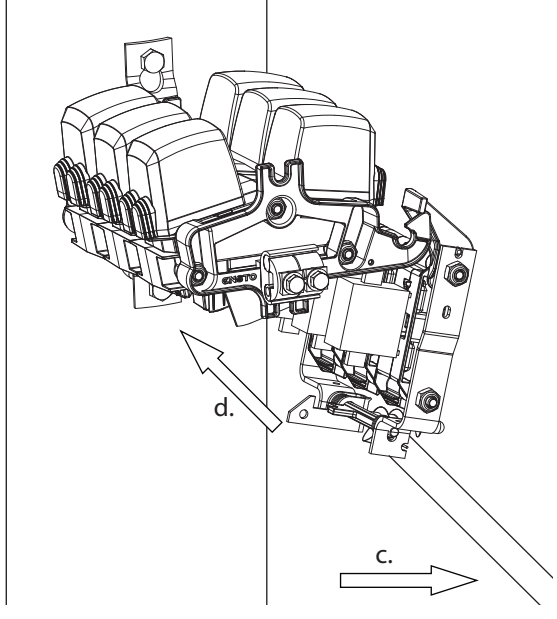
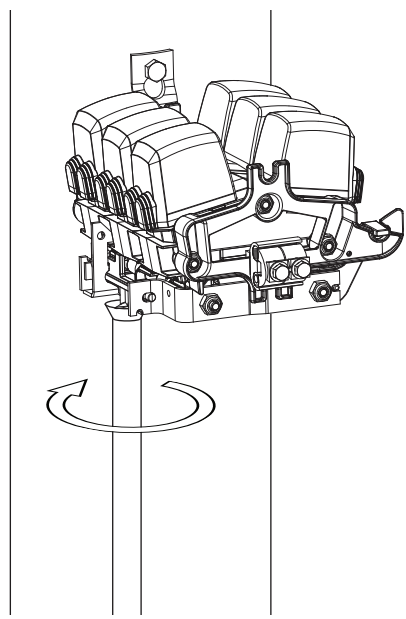


3. Pull the operating rod backwards to open the switch.

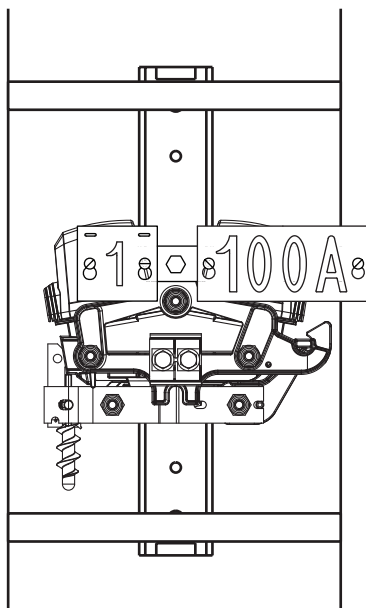


4. Position the operating rod back to vertical position (a.) and lift lower part off (b.).

How to close the pole fuse switch disconnecter:

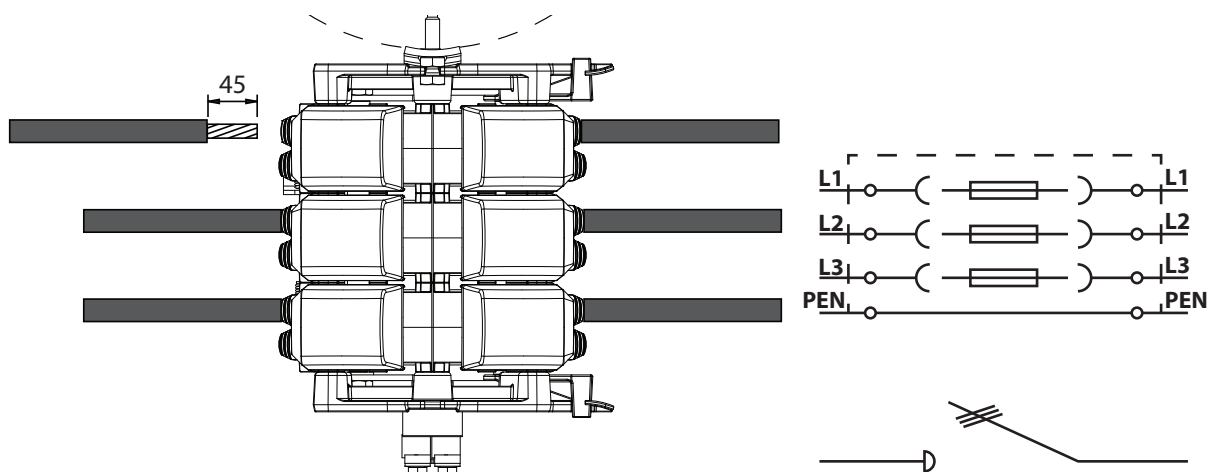
 A line drawing of the pole fuse switch disconnecter. A curved arrow indicates the lower part of the mechanism is being lifted back towards the main body.	 A line drawing of the pole fuse switch disconnecter. A straight arrow points downwards from the operating rod, indicating it should be pulled down.
<p>1. Lift the lower part back on the hinges.</p>	<p>2. Pull the operating rod downwards to release the hook mechanism.</p>
 A line drawing of the pole fuse switch disconnecter. Two arrows are shown: arrow 'c.' points horizontally to the right, indicating the rod is tilted to the closing position; arrow 'd.' points diagonally upwards and to the left, indicating a fast and firm push to close the fuse holder.	 A line drawing of the pole fuse switch disconnecter. A curved arrow around the operating rod indicates it should be rotated to unscrew it from the disconnectors screw.
<p>3. Tilt the rod to the closing position (c.) and close the fuse fuse holder by fast and firm push (d.).</p>	<p>4. Unscrew the operating rod from the disconnectors screw.</p>

Attaching the marking plates



1. Attach marking plate bar on the opposite side mounting hole. On the non-moving part of the pole fuse switch disconnecter.

Connecting the cables



1. Peel the cables for 40 mm distance and use wire brush (ST18) to brush all aluminium oxide from the conductors surface.
2. Remove the cover and cut away the right cable size from the plastic cover.
3. Unscrew the connector and put some contact grease (SR1) on the peeled conductor. Insert the peeled conductor to the connector groove and tighten connector to the proper torque (Nm).
4. Put the cover back on.



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