

eris Data Sheet

Sheet Steel Enclosed Load Break Switches

AC-23@400V(415V)

ERSMLB3153PN & ERSMLB4003PN

Important Safety Notice

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to. Terminals, including factory fitted, should be checked periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



Bureau Veritas KEMA Certified EN 60947-1 & 3 Compliant IP65



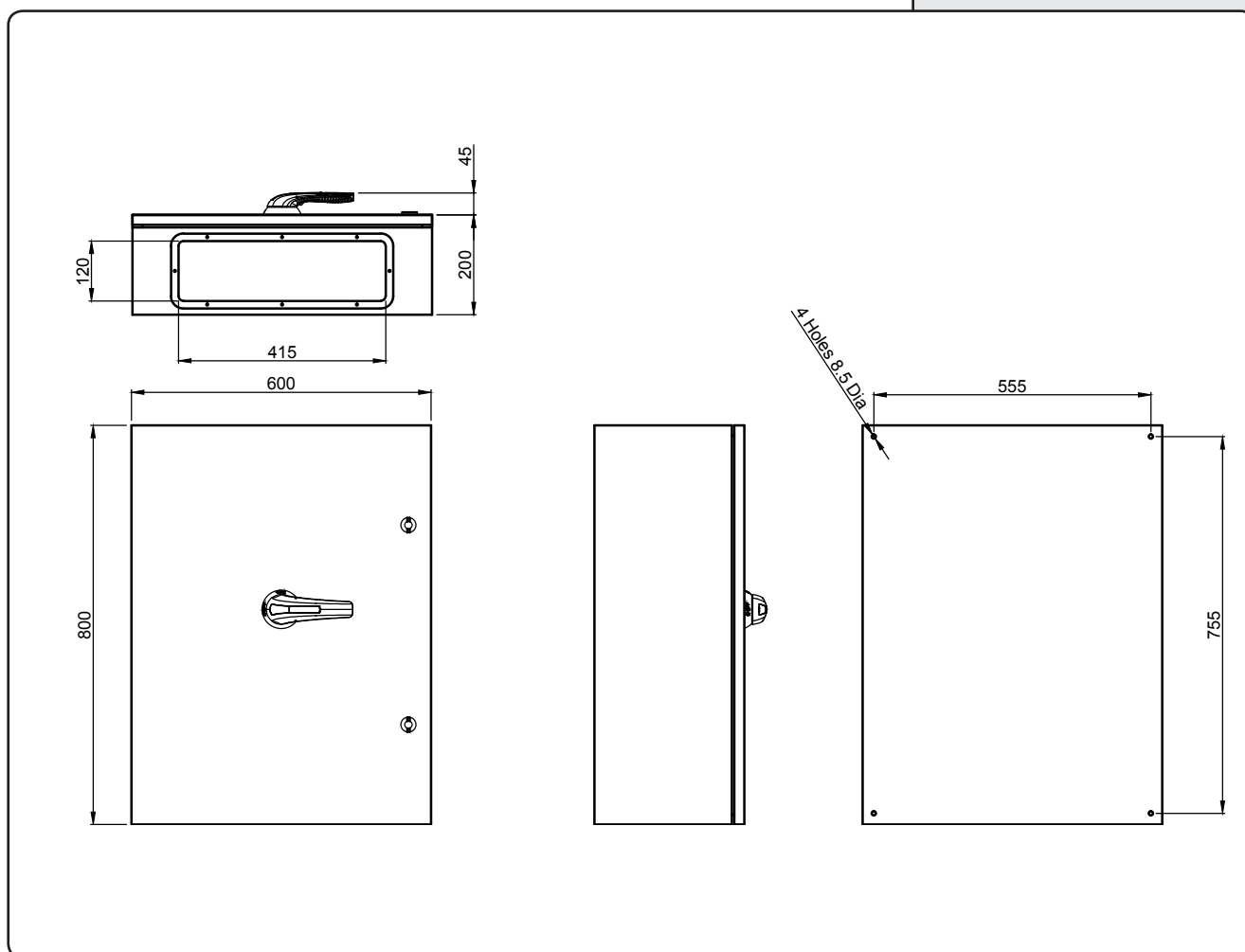
Data	Units	Range	ERSMLB3153PN	ERSMLB4003PN
Rated thermal current I _{th} at 50°C	Amps	A	315	400
Rated insulation voltage U _i	Volts	V	1000	1000
Rated dielectric strength	Volts	kV	5	5
Rated impulse voltage U _{imp}	Volts	kV	8	8
Rated operational current I _e at 400V AC-22	Amps	A	315	400
Rated operational current I _e at 400V AC-23	Amps	A	315	400
Rated operational power P _e at 400V AC-23	Watts	kW	175	222
Rated breaking capacity	Amps	A	2520	3200
Rated making capacity	Amps	A	3150	4000
Rated short circuit making capacity (peak value) I _{cm}	Amps	kA	20	20
Rated short-time withstand current (1 sec) rms I _{cw}	Amps	kA	12	12
Minimum number of mechanical operations	-	Cycles	20,000	20,000
Minimum number of electrical operations @ 400V AC-23	-	Cycles	1,000	1,000
Terminal Capacity (rigid copper cable)	-	mm ²	185	240
Lug bolt size	-	-	M10	M10
Maximum size of busbar connection	-	mm	7x25	7x40
Tightening torque	-	Nm	18	24

For any further assistance please contact:
www.eris-eu.com

eris Data Sheet

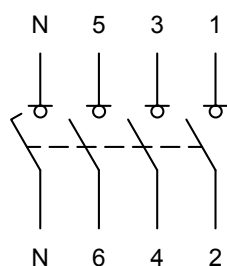
Sheet Steel Enclosed Load Break Switches AC-23@400V(415V) ERSMLB3153PN & ERSMLB4003PN

Enclosure Dimensions

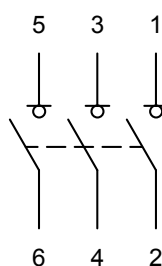


Terminal Configuration:

LB 3 Pole +
Switched Neutral



LB 3 Pole



Note: Neutral Contact is
Early Make/ Late Break

eris Data Sheet

Sheet Steel Enclosed Load Break Switches

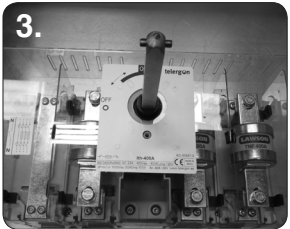
AC-23@400V(415V)

ERSMLB3153PN & ERSMLB4003PN



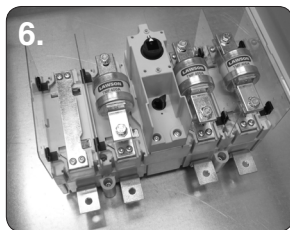
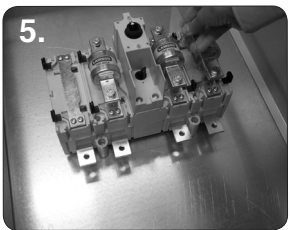
Handle Assembly:

1. Ensure that the handle is in the off position and locate the handle on to the door with the handle showing the off position at 9 o'clock
2. Tighten the four M5 flange nuts to 1.5Nm



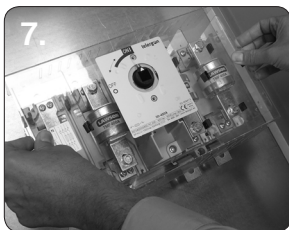
Shaft Assembly:

3. Ensure that the switch is in the off position and fully insert the shaft into the switch with the cross pin in a horizontal position
4. Tighten the M5 shaft grub screw to 1.2Nm using a 2.5mm A/F allen key



Fuse Shroud Assembly: (SWITCH FUSE ONLY)

- 5/6. Install the four upright shrouds into the corresponding clips
7. Install fuse shroud into the corresponding clips



Door Interlock Defeat Mechanism (For Authorised Personnel Only):

⚠ WARNING! ACCESS TO LIVE PARTS

• Ensure that the door is closed and the handle is in the on position

• Locate the hole on the right side of the handle, then push and hold a small pin into the hole to activate the defeat mechanism

• The door can now be opened in the on position. Remove pin and close the door to reset the mechanism



Padlock Operation:

