

Sheet Steel Enclosed RCBOs

RCBOs have a built in one piece toroidal transformer and earth leakage relay featuring:

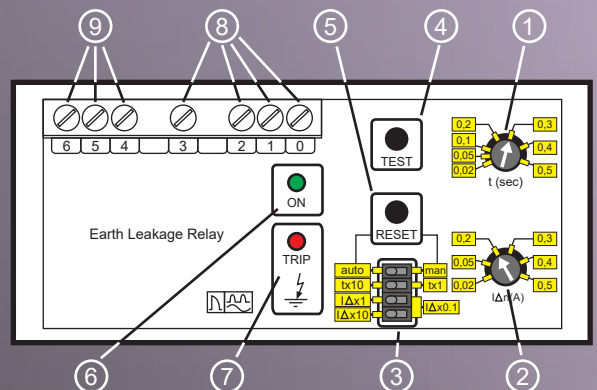
- Fully load rated breakers
- BSEN 60947-2, IEC 60439-1 conformity
- Door interlocked padlockable handles
- IP2X terminal shrouds
- Variable tripping current 0.025 - 25A
- Adjustable time delay 0.02 - 5 sec
- Auto or manual trip reset and test button
- 63A-250A Fixed magnetic, adjustable thermal 63-100%
- 400A-1250A Electronic LSI, adjustable 40-100%
- Ingress protection IP55



Nominal Rating I _e 415V	I _{cu} Short circuit breaking	Order Reference TP&N	Trip type	Dimensions (mm) <small>*see inner front cover for reference diagram</small>						
				H	W	D	A	Ø	B Top	B Bottom
63A	16kA	ST MCCB 6/4 ELR	Th/Mag	500	400	200	17	M8	130	230
100A	16kA	ST MCCB 10/4 ELR	Th/Mag	500	400	200	17	M8	130	230
125A	16kA	ST MCCB 12/4 ELR	Th/Mag	600	400	200	17	M8	160	260
160A	16kA	ST MCCB 16/4 ELR	Th/Mag	600	400	200	17	M8	160	260
200A	25kA	ST MCCB 20/4 ELR	Th/Mag	700	500	250	23	M10	200	300
250A	25kA	ST MCCB 25/4 ELR	Th/Mag	700	500	250	23	M10	200	300
400A	50kA	ST MCCB 40/4 ELR	Electronic	1000	600	300	28	M12	240	440
630A	50kA	ST MCCB 63/4 ELR	Electronic	1000	600	300	28	M12	240	440

- 1) Tripping delay time adjustment
- 2) Fault current to earth adjustment
- 3) Dip switches settings:
3a - auto reset - man reset
 auto reset = automatic reset
 man reset = manual reset through the RESET key on the front.
 For remote resetting, simply shut off the auxiliary supply for about 1 second.
3b - tx10 - tx1 constant selection for tripping delay time adjustment.
3c - IΔnx0,1 - IΔnx1 - IΔnx10 constant selection for fault current to earth adjustment. The constants in relation to the position of the 2 dip switches are the following:
 – dip switch position IΔnx0,1 and IΔnx0,1 K = 0.1
 – dip switch position IΔnx1 and IΔnx0,1 K = 1
 – dip switch position IΔnx1 and IΔnx10 K = 10
- 4) Test push-button
- 5) Manual reset push-button
- 6) Signalling lamp of existing auxiliary voltage supply (green LED)
- 7) Signalling lamp of tripped relay (red LED)
- 8) Terminals for auxiliary supply
- 9) Relay output terminals

ELR settings only accessible when switch is in the 'OFF' position.



At Switchgear Systems Ltd. we build most of our switchgear in wall mounting sheet steel powder coated RAL 7035 enclosures. There should be no need for spreader boxes with our equipment as the enclosures are suitably sized for the spreading of typical cable sizes suitable for the switchgear's current carrying capacity. Where larger sizes and quantities of cables are being used we can put them into bigger enclosures and manufacture bespoke extension terminals. As well as the standard enclosure we also offer a range of material options for both the enclosure and gland plate/s, as well as a number of accessories.

Enclosure material options:

- Standard RAL7035 sheet steel
- Alternative colour options
- Stainless steel enclosures
- GRP enclosures
- Floor standing sheet steel

Gland plate material options:

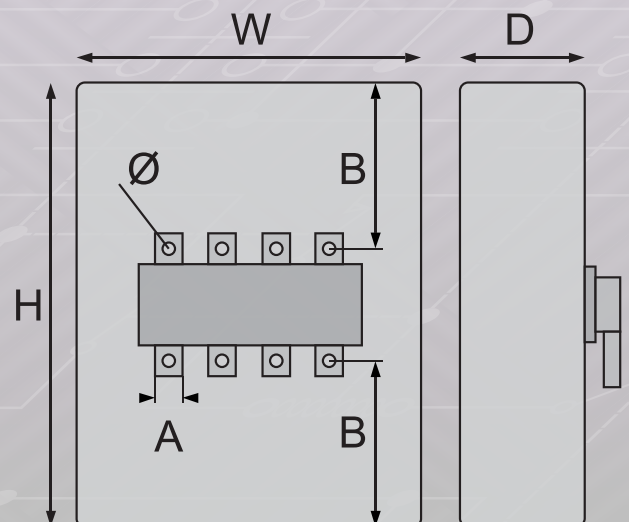
- Standard sheet steel
- Aluminium
- Brass
- Insulation board
- Brushed cable entry

Accessories:

- Mounting brackets
- Padlockable hasps
- Metering and CT's
- Indicator lights
- Castell Interlocks
- And many others

Reference diagram for dimensions shown in tables throughout catalogue

- H - Height of enclosure
- W - Width of enclosure
- D - Depth of enclosure (does not include handle or any other external components)
- A - Width of terminal
- B - Cable room measured from connection point to the end of enclosure
- Ø - Terminal connection diameter



All items are sold under Switchgear Systems Limited standard terms and conditions, a copy of which can be found on our website (www.switchgear-systems.com).

It is the responsibility of the installer to ensure items are fitted to the requirements of BS 7671 (Wiring Regulations) and best working practice.