

ELE and HELE series

The ELE and HELE series comprise of a Blakley Electrics core balance residual current sensor with a sensitivity from 5 mA to 500 mA, working in conjunction with an MCB with shunt-trip, in overcurrent ratings from 1A to 100A (the maximum rating of the ELE is 63A), housed in a surface mounting enclosure. The overall assemblies are generally in accordance with BS EN 60439-1, with the RCD tripping characteristics in accordance with BS 4293.

The HELE series can incorporate options including: a Remote Trip Facility for connection to emergency stop buttons; a key switch to temporarily by-pass the RCD protection; a key switch to apply a permanent fault signal so that the assembly cannot be "ON" when the key is removed; power "ON" indicators.

ELE and HELE series assemblies are classified by Network Rail as "DC Immune", making them suitable for installation in "Third Rail" locations.

Enclosure

Surface mounting, sheet steel providing protection to IP30, finished in a White powder coat paint.

Dimensions

ELE, double-pole	: 265H x 165W x 75D mm	ELE, TP&N	: 265H x 220W x 75D mm
HELE, up to 63A	: 375H x 266W x 115D mm	HELE, up to 100A	: 440H x 335W x 115D mm

The ELE series incorporates k/os in the top and bottom and the HELE series incorporates removable top and bottom gland plates.

Rated Tripping Currents

The standard sensitivities are: 5 mA, 10 mA, 20 mA, 30 mA, 100 mA, 200 mA, 300 mA and 500 mA.

The point of trip of the RCD is approximately 90% of the Rated Tripping Current i.e. a 30 mA device will trip at 27mA.

Overcurrent Protection

MCBs are manufactured in accordance with BS EN 60898 and BS EN 60947 -2; "C" Type trips are fitted as standard. MCBs are available in the following ratings, DP or TP:

ELE	: 1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A and 63A
HELE	: 10A, 16A, 20A, 32A, 40A, 50A, 63A, 80A and 100A

The HELE series can also incorporate 4P MCBs.

Supply Voltages

230V SP&N or 400V TP / TP&N (400V models do not require a neutral)

Ordering Codes

ELE/#/C##/### and HELE/#/C##/###

At #	- Insert 1 for 230V single-phase or 3 for 400V three-phase
At ##	- Insert the MCB rating in amps
At ###	- Insert the RCD sensitivity in milliamps

Typical ordering codes will be:

ELE/1/C32/30	- ELE series, single-phase 230V supply, 32A DP MCB, 30 mA sensitivity
HELE/3/C100/10	- HELE series, TP or TP&N 400V supply, 100A TP MCB, 10 mA sensitivity



HELE/3/C100/30



ELE/1/C32/30

THE POWER PROFESSIONALS

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Cert. No. 902091

SPDS2 - 05/09