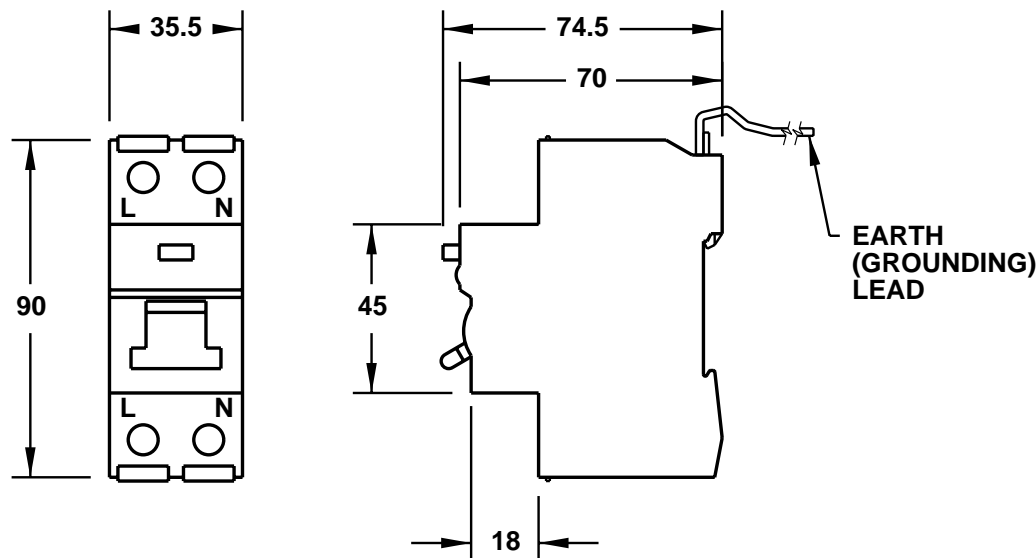


Cat. No.
A40HE

DOUBLE POLE RCCB (RESIDUAL CURRENT CIRCUIT BREAKER) CIRCUIT INTERRUPTER, DIN RAIL MOUNTED TO 35 mm RAIL.
STANDARDS/APPROVALS: IEC 1008 PART 1, IEC 408: 1972, BS 4293: 1983, BS 5419: 1977, 89/338/EEC, AC22 DUTY

NO. OF POLES	RATED CURRENT (AMPERE)	RATED TRIPPING CURRENT (mA)	RESIDUAL TIME DELAY
2	40	30	NO

ALL DIMENSIONS ARE IN MILLIMETERS



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APPLICATION:
THE CURRENT OPERATED DEVICE (RCCB) PROVIDES EARTH LEAKAGE PROTECTION BY SENSING AN IMBALANCE IN THE ACTIVE CONDUCTORS OF A CIRCUIT, CAUSED BY A CURRENT ON THE LOAD SIDE RETURNING TO THE SUPPLY VIA AN ALTERNATIVE PATH i.e. EARTH. THE CONDITIONS FOR EARTH LEAKAGE PROTECTION LAID DOWN IN THE IEE WIRING REGULATIONS IN THE U.K., AND SIMILAR REQUIREMENTS IN OTHER COUNTRIES, CAN BE SATISFIED BY THE CORRECT SELECTION AND INSTALLATION OF THE RCCB EVEN WITH RELATIVELY HIGH EARTH LOOP IMPEDANCE. THE RCCB REDUCES THE RISK OF FIRE BY LIMITING THE FLOW OF CURRENT THROUGH AN EARTH FAULT TO A VERY SHORT DURATION IF IT RISES ABOVE THE TRIPPING CURRENT LEVEL.

THE HIGH SENSITIVITY RCCB (TYPE H) PROVIDES CONSIDERABLE PROTECTION AGAINST THE DANGER OF ELECTROCUTION. THE CURRENT FLOW THROUGH THE BODY OF A PERSON TOUCHING A LIVE CONDUCTOR AND EARTH IS LIMITED TO A SHORT DURATION IF IT RISES ABOVE THE TRIPPING CURRENT LEVEL. THUS IT IS POSSIBLE TO PROTECT AGAINST FATAL SHOCK UNDER MOST CIRCUMSTANCES EVEN IF THE EARTH CONTINUITY CONDUCTOR IS FRACTURED AND THE EXPOSED METALWORK OF AN ELECTRICAL APPLIANCE BECOMES LIVE. HOWEVER, IN ORDER TO COMPLY WITH IEE WIRING REGULATIONS, IT IS ESSENTIAL THAT ADEQUATE EARTHING IS PROVIDED FOR THE INSTALLATION.

THE RCCB DOES NOT GIVE PROTECTION AGAINST OVERLOAD OR SHORT CIRCUIT TO CONDUCTORS ON THE LOAD SIDE. THIS MUST BE CATERED FOR BY INDIVIDUAL FUSES OR MINIATURE CIRCUIT BREAKERS IN THE OUTGOING (LOAD) CONDUCTORS e.g. AS IN A DISTRIBUTION BOARD.