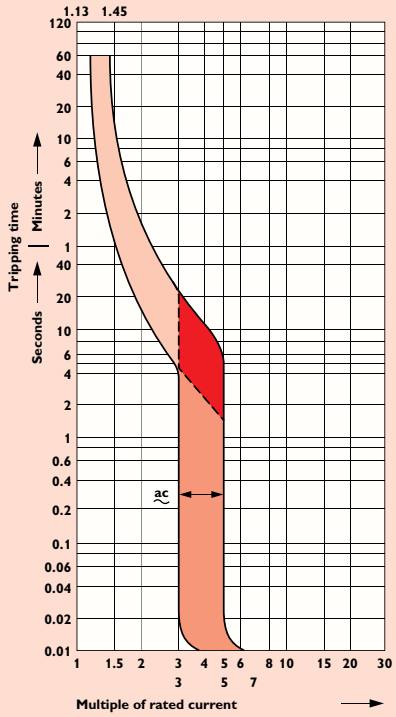
BACK-UP PROTECTION

Back-up protection is required only if the prospective short circuit current at the point of installation exceeds the breaking capacity of the MCB. When providing back-up protection consideration must be given to discrimination between the MCB and fuse.

DISCRIMINATION

It is desirable that the protective device nearest the fault should operate first. The low energy let through of modern MCBs provides better discrimination with HRC fuse back-up than is given by earlier types of MCBs.



NHX, NSB AND PSB DISTRIBUTION BOARD MCBs

Standards	BSEN 60898-2: 2006
Rated Voltage	230/400 Volts
Tripping characteristics	Type B, C and D
Short circuit rating	6kA and 10kA
Reference calibration temperature	30°C
Terminal capacity - outgoing cable	0.75 to 25mm²

NHXSBS, NSBS & PSBS RCBO (COMBINED MCB/RCD)

Standards	BSEN 61009-2: 1995 BSEN 61009-1: 2004
Rated Voltage	230 Volts -1 2004
SP or SP with switched neutral Tripping characteristics	NSBS = B, C PSBS = C
Short circuit rating	6kA and 10kA
Reference calibration temperature	30°C
Rated residual operating current	30mA
Single module	Type A
Two module	Type AC
Terminal capacity - outgoing cable	0.5 to 16mm²

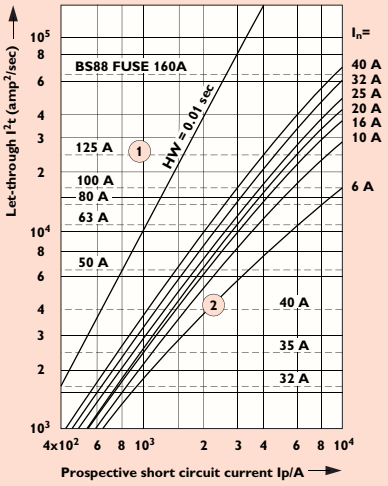
Unique live side busbar combi-terminal allows connection of cable up to 25mm²

Maximum neutral cable size 25mm²

CONSUMER UNIT MCBs

Standards	BS EN 60898-2: 2006
Rated voltage (single pole)	240V
Tripping characteristics	Type B, C
Short circuit rating	6kA
Reference calibration temperature	30°C
Terminal capacity – outgoing cable	0.75 to 25mm²

CAT REF	C CURVE	RATING
NHXB06	NHXC06	6A
NHXB10	NHXC10	10A
NHXB16	NHXC16	16A
NHXB20	NHXC20	20A
NHXB32	NHXC32	32A
NHXB40	NHXC40	40A
NHXB50	NHXC50	50A



1 **min melting pt (pre-arching) eg I_n=125A BS 88**

2 **max let-through I^2t of MCB eg 6A**