

## APPLICATION DATA

### Fault Current Limiters (Back-up Fuses) for Protection and Co-ordination with HEINELEC & HEIDIN Circuit Breakers. For Fault Levels up to 50kA 415V 50Hz.

FOR FAULT LEVELS UP TO 50kA 415V 50Hz				
Circuit Breaker		Minimum Fuse Amps (1)	(2) Maximum Fuse Amps	
Type	Rating Amps		BS88	DIN
HEIDIN (3)	6-10	32	160	160
	16-20	40	160	160
	32	63	160	160
	40-63	100	200	200
	10	32	160	160
	16-20	40	200	200
SFM (4)	25-30	50	200	200
SA	32-40	63	200	200
SF	45-63	80	200	200
SM	70-85	100	200	200
	100	125	200	200
	10	32	400	400
	16-20	40	400	400
	25	50	400	400
	32-40	63	400	400
	50-63	80	400	400
	70-80	100	400	400
	100	125	400	400
	10-100	–	1250	–
SK	125-250	–	1250	–
OS400	200-400	–	1600	–
OS600	400-630	–	1600	–
OS800	700-800	–	1600	–

#### NOTES

- (1) Minimum fuse rating applies to Standard Curve 2 time delay breakers and is based on grading under overload conditions of one breaker with one set of fuses. Where a single set of fuses protects more than one breaker, the fuse size must be increased to allow for load biasing.
- (2) Maximum fuse size is based on 'take-over' current, let through energy ( $I^2t$ ) and peak let through current. Current limiters can be installed on immediate Load Side. Recommended rating is 80% of maximum fuse size.
- (3) Maximum fuse size based on type testing with MEM fuses type 200 SF6. 200A DIN fuses can be used where prospective fault level does not exceed 25kA.
- (4) Maximum fuse size for SA 20A, SF 100A and SFM 100A confirmed by type tests with Bovara-Crady 200A DIN fuses.