

APPLICATION DATA

Interrupting Capacities of HEINELEC & HEIDIN Circuit Breakers in Series Combinations (Also known as Cascading or Back-up Protection)

The following table is based upon Australian recommended requirements, i.e. O and CO interrupting capacity (of branch breaker) followed by verification of dielectrical withstand and trip out at 250% per AS 2184.

		MAXIMUM kA SYM. FAULT LEVELS 415V 50Hz SYSTEMS						
		Back-up or upstream breaker	SK103H	SK200	H100	H200	H400	H600 H800
Branch or downstream breaker	Interrupting Capacity kA	43	43	125	125	125	125	
	SFM, SA, SF, SM	6	10	10	15	13		
	GH	16.2	34	34	65	65	25	25
	SK100H	43			65	65	65	65
	SK200	43			65	65	65	65
	OS400	50					65	65
	OS600	50						65

GUIDELINES FOR USE:

- The back-up or main breaker types are listed on the top together with their prospective interrupting capacity in kA.
The branch or load side breakers are listed vertically in the left hand column.
The prospective short circuit interrupting capacity in kA of the combination is then selected from the back-up breaker vertical column where it intersects with the branch breaker horizontal column.
- Series combinations are not suitable for Fire Pumps, Lifts and other special circuits.
- Ratings are based upon 'line side' connections i.e.: not reverse fed.

		HEIDIN DISCRIMINATION AND MCCB BACK-UP PROTECTION 415V 50Hz SYSTEMS		
		Back-up or upstream breaker	T1N	T2N
Branch or downstream breaker	In Amps	100 - 160A	100 - 160A	125 - 250A
	HEIDIN 6kA	6 - 63A	30kA	36kA

NOTES:

- Consult Sales Offices for details of back-up or upstream breakers shown and other combinations of MCB's.
- Total discrimination is achieved for both of the kA values stated above.