

SELECTION DATA

Circuit breakers for individual fire pump motors in accordance with AS/NZS 3000:2000 Wiring Rules

HEINELEC hydraulic-magnetic circuit breakers are an ideal choice for fire pump motor protection due to their ability to sense current – not heat.

Breakers for fire pump motors **must be calibrated to suit a trip time of not less than 20 seconds at 600% of motor full load current as required by wiring rule 7.10.9.2**

The table below lists breaker ratings (and curve for SFM) that can be supplied to suit the motor details shown.

Ordering Information

- Step 1. Specify motor F.L.C. at 415V **if different, from nominal F.L.C. shown in table**, otherwise order per type and rating shown.
- Step 2. Specify 'FOR FIRE PUMP MOTOR' only if F.L.C. differs significantly from ratings indicated in table.

Nominal F.L.C @415V Amps	Approx. Motor kW	Breaker Type & Current Rating				Approx. Motor H.P.
		SFM Series		SK103 H103	SK203 H203	
		Standard Curve 2	Curve 1			
2	0.75	10	6			1
4	1.5	16	10	10		2
5	2.2	25	16	10		3
6-7	3.0	32	16	16		4
8	3.7	40	25	20		5
11	5.5	50	25	25		7.5
15	7.5	63	40	32		10
18	9	80	50	32		12.5
22	11		63	40		15
28	15		80	50		20
35	18.5		100	63		25
40	22		100	80		30
55	30			100		40
66	37				125	50
80	45				125	60
100	55				160	75
135	75				225	100
165	90				250	120

The above table is based on one motor per circuit, whereby the breaker must carry 125% of motor F.L.C. continuously and open the circuit in not less than 20 seconds at 600% of the motor F.L.C. Applications where there is more than one motor per circuit should be calculated individually in accordance with AS/NZS 3000:2000 Wiring Rules 7.10.9.2.