



Due to its high breaking capacity and high current limitation, Motec provides optimum overload and short-circuit protection for one to three-phase electric motors up to 32A, 690V AC.

Also equipped with phase failure protection and ambient temperature compensation, plus a range of accessories, Motec can provide motor protection, switching, remote signalling, enclosures, locking and simple connection.





Motor starter

- Motor starters are used for overload and short-circuit protection of one to three-phase electric motors up to 32A, 690V AC
- Manual (ON/OFF) switching of motors by green/red push-buttons on the front of the device
- Padlockable actuation

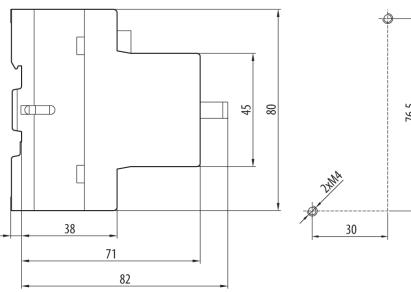
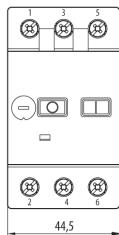
- Adjustable thermal release setting via rotary control on the front of the device
- Integral phase failure protection and temperature compensation
- Motec + accessories = protection + switching + remote signalling + enclosure + locking + simple connection

Technical Specification

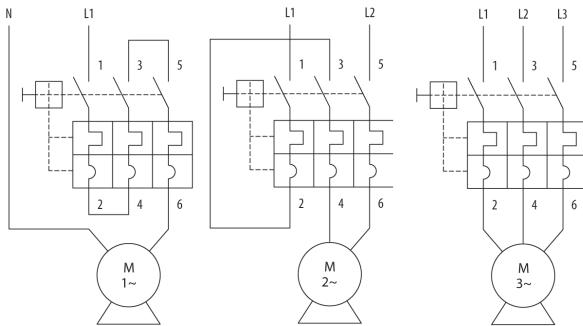
Standards	EN 60 947	
Number of poles	3	
Rated current I_n	0.16 - 32A	
Rated voltage U_e	690VAC	
Rated frequency f_n	40 - 60Hz	
Mechanical/Electrical Endurance	Operating cycles	100,000
Maximum operations/hour	30	
Rated impulse withstand voltage U_{imp}	(1.2/50μs)	6kV
Power loss per pole		At minimum range setting 0.6 - 1.05 W At maximum range setting 1.5 - 2.6 W
Mounting	DIN-rail 35mm Surface mount 2xM4	
Degree of protection	Motec starter IP20 Motec starter in enclosure maximum IP55	
Connection	Conductor Solid or stranded	0.75 - 4; 2 x (0.75 - 4)mm ²
Operating conditions		Ambient temperature -5 to 55°C Temperature compensation range -5 to 40°C Operating position any Resistance to mechanical shock 15g/10ms

Rated Current (A)	Maximum Operating Power (kW/AC3)			Operating Current Short Circuit Release (A)	Breaking capacity without back-up fuse I_{cu} (400V AC) (kA)	Order code
	400/415 V	500 V	690 V			
0.1 - 0.16	-	-	0.06	1.92	100	Motec 0.16
0.16 - 0.25	0.06	0.06	0.12	3	100	Motec 0.25
0.25 - 0.4	0.09	0.12	0.18	4.8	100	Motec 0.4
0.4 - 0.63	0.12	0.18	0.25	7.6	100	Motec 0.63
0.63 - 1	0.25	0.37	0.55	12	100	Motec 1
1 - 1.6	0.55	0.75	1.1	19.2	100	Motec 1.6
1.6 - 2.5	0.75	1.1	1.5	30	100	Motec 2.5
2.5 - 4	1.5	2.2	3	48	100	Motec 4.0
4 - 6.3	2.2	3	4	75.6	100	Motec 6.3
6.3 - 10	4	5.5	7.5	120	6	Motec 10
10 - 16	7.5	9	12.5	192	6	Motec 16
16 - 20	9.0	12.5	15	240	6	Motec 20
20 - 25	12.5	15	22	300	6	Motec 25
25 - 32	15	18.5	-	384	6	Motec 32

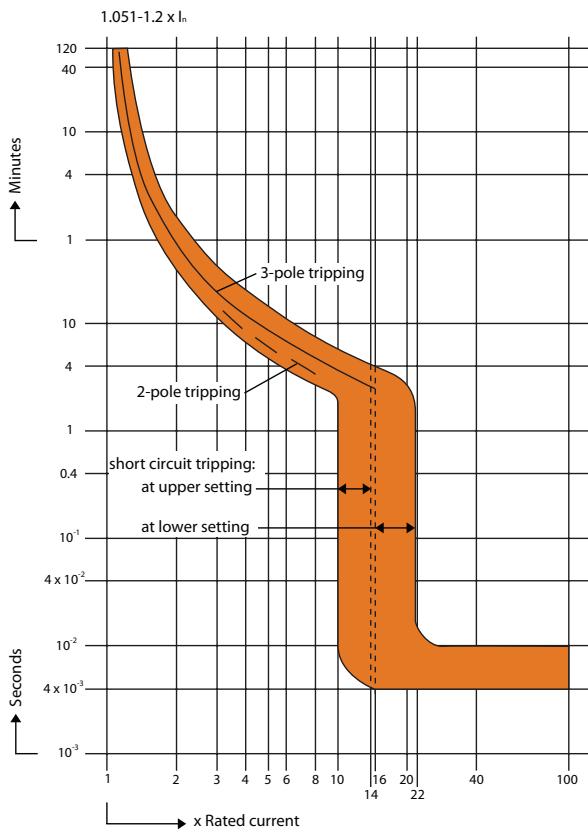
Diagrams and Trip Curve



Connection of 1, 2 and 3-phase motors



Motec 0.16 - Motec 16 trip characteristics



Motec 20 - Motec 32 trip characteristics

