


Technical data MN 107

MERZ Schaltgeräte GMBH + CO KG
Postfach 02 15 · DE - 74402 Gaildorf

acc. IEC 947-3, EN 60947-3			
Rated operational current I_e	AC 21 A	A	10
Rated operational voltage U_e		V	500
Rated uninterrupted current I_{th}	open	A	10
Rated uninterrupted current I_{the}	encapsulated	A	10
Rated insulation voltage U_i Insulation group C acc. VDE 0110		V	500
Rated impulse withstand voltage $U_{imp}(III/3)$		kV	4
Making/breaking capacity	Utilisation category	AC 3	
	230 V 3~	kW	1,5
	400 V 3~	kW	2,2
	690 V 3~	kW	-
Single-phase motor	230 V	kW	0,55
	400 V	kW	0,75
Making/breaking capacity	Utilisation category	AC 23A(B)	
	230 V 3~	kW	1,5
	400 V 3~	kW	2,2
	690 V 3~	kW	-
Short-circuit capacity			
Max. fuse rating (gG-Char.)		A	10
Rated conditional short-circuit current		kA_{eff}	6
Rated short-time withstand current $I_{cw 1sec}$		A	95
Rated short circuit making capacity I_{cm}		A	-
Isolating characteristics up to		V~	250
Terminal cross section solid or multi-stranded	min./max.	mm ²	0,75 – 1,5
Finely stranded with ferrule	min./max.	mm ²	0,75 - 1,5
Terminal screws			M2,5
Torque terminal screws		Nm	0,7
Mechanical life	Operating cycles		1x10 ⁶
Ambient temperature	open	°C	+50/-25
	encapsulated	°C	+40/-25
acc. UL und CSA 			
Rated operational current		A	
Rated operational voltage		V	
Making/breaking capacity	Utilisation category	AC 3	
Motor 3-phase	220/240 V 3~	hp	
	440/480 V 3~	hp	
	550/600 V 3~	hp	
Making/breaking capacity	Utilisation category	AC 23A(B)	
Motor 1-phase	110/120 V	hp	
	220/240 V	hp	
Cable cross section		AWG-No	