


Technical data MN 111

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	20
Rated operational voltage U_e		V	690
Rated uninterrupted current I_{th}	open	A	25
Rated uninterrupted current I_{the}	encapsulated	A	20
Rated insulation voltage U_i Insulation group C acc. VDE 0110		V	690
Rated impulse withstand voltage $U_{imp}(III/3)$		kV	4
Making/breaking capacity	Utilisation category	AC 3	
	230 V 3~	kW	4
	400 V 3~	kW	5,5
	690 V 3~	kW	7,5
Single-phase motor	230 V	kW	2,2
	400 V	kW	3
Making/breaking capacity	Utilisation category	AC 23A(B)	
	230 V 3~	kW	5
	400 V 3~	kW	7,5
	690 V 3~	kW	11
Short-circuit capacity			
Max. fuse rating (gG-Char.)		A	25
Rated conditional short-circuit current		kA _{eff}	6
Rated short-time withstand current $I_{cw 1sec}$		A	240
Rated short circuit making capacity I_{cm}		A	-
Isolating characteristics up to		V~	500
Terminal cross section solid or multi-stranded	min./max.	mm ²	1,0 – 4,0
Finely stranded with ferrule	min./max.	mm ²	1,0 – 2,5
Terminal screws			M3,5
Torque terminal screws		Nm	1
Mechanical life	Operating cycles		1x10 ⁶
Ambient temperature	open	°C	+50/-25
	encapsulated	°C	+40/-25
acc. UL und CSA 			
Rated operational current		A	10
Rated operational voltage		V	600
Making/breaking capacity	Utilisation category	AC 3	
Motor 3-phase	220/240 V 3~	hp	3
	440/480 V 3~	hp	1
	550/600 V 3~	hp	1
Making/breaking capacity	Utilisation category	AC 23A(B)	
Motor 1-phase	110/120 V	hp	1
	220/240 V	hp	1,5
Cable cross section		AWG-No	16 - 10