


Technical data MN 105

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	25
Rated operational voltage U_e		V	690
Rated uninterrupted current I_{th}	open	A	25
Rated uninterrupted current I_{the}	encapsulated	A	25
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 3
		400 V 3~	kW 5,5
		690 V 3~	kW 5,5
Single-phase motor		230 V	kW 2,2
		400 V	kW 3
Making/breaking capacity	Utilisation category	AC 23A(B)	
		230 V 3~	kW 4
		400 V 3~	kW 7,5
		690 V 3~	kW 7,5
Short-circuit capacity			
Max. fuse rating (gG-Char.)		A	25
Rated conditional short-circuit current		kA_{eff}	10
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
Finely stranded with ferrule	min./max.	mm ²	1,0 - 2,5
Terminal screws			M3
Torque terminal screws		Nm	0,8
Mechanical life	Operating cycles		1x10 ⁶
Ambient temperature	open	°C	+50/-25
	encapsulated	°C	+40/-25
acc. UL und CSA 			
Rated operational current		A	16
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 5
		550/600 V 3~	hp 5
Making/breaking capacity	Utilisation category	AC 23A(B)	
Motor 1-phase		110/120 V	hp 0,5
		220/240 V	hp 1,5
Cable cross section		AWG-No	14 - 10