


Technical data ML2-080

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	80
Rated operational voltage U_e		V	690
Rated uninterrupted current I_{th}	open	A	80
Rated uninterrupted current I_{the}	encapsulated	A	63
Rated insulation voltage U_i Insulation group C acc. VDE 0110		V	690
Rated impulse withstand voltage $U_{imp}(III/3)$		kV	6
Making/braking capacity	Utilisation category	AC 3	
	230 V 3~	kW	18,5
	400 V 3~	kW	30
	690 V 3~	kW	30
Making/braking capacity	Utilisation category	AC 23B	
	230 V 3~	kW	22
	400 V 3~	kW	37
	690 V 3~	kW	37
Making/braking capacity	Utilisation category	AC 22B	
	230 V 3~	A	-
	400 V 3~	A	68
	690 V 3~	A	-
Short-circuit capacity			
Max. fuse rating (gG-Char.)		A	80
Rated conditional short-circuit current	4-pole / 3-pole	kA	10
Isolating characteristic up to		V~	690
Terminal cross section solid or multi-stranded	min./max.	mm ²	2,5 - 35
finely stranded with ferrule	min./max.	mm ²	1,5 - 25
Terminal screws			M5
Torque terminal screws		Nm	2
Mechanical life	operating cycles		30.000
Ambient temperature max./min.	open	°C	+50/-25
	encapsulated	°C	+40/-25
acc. UL und CSA 			
Rated operational current		A	80
Rated operational voltage		V	600
Making/braking capacity	Utilisation category	AC 3	
Motor 3-phase	220/240 V 3~	hp	20
	440/480 V 3~	hp	40
	550/600 V 3~	hp	40
Making/braking capacity	Utilisation category	AC 3	
Motor 1-phase	110/120 V	hp	4
	220/240 V	hp	10
Cable cross section		AWG-No	14 - 2