


# Technical data MN 251

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

<b>acc. IEC 947-3, EN 60947-3</b>			
Rated operational current $I_e$	<b>AC 21 A</b>	A	40
Rated operational voltage $U_e$		V	690
Rated uninterrupted current $I_{th}$	open	A	40
Rated uninterrupted current $I_{the}$	encapsulated	A	40
Rated insulation voltage $U_i$ Insulation group C acc. VDE 0110		V	690
Rated impulse withstand voltage $U_{imp}(III/3)$		kV	6
<b>Making/breaking capacity</b>	<b>Utilisation category</b>	<b>AC 3</b>	
	230 V 3~	kW	7,5
	<b>400 V 3~</b>	kW	11
	690 V 3~	kW	15
Single-phase motor	230 V	kW	4
	400 V	kW	5,5
<b>Making/breaking capacity</b>	<b>Utilisation category</b>	<b>AC 23A(B)</b>	
	230 V 3~	kW	11
	<b>400 V 3~</b>	kW	15
	690 V 3~	kW	18,5
<b>Short-circuit capacity</b>			
Max. fuse rating (gG-Char.)		A	50
Rated conditional short-circuit current		kA <sub>eff</sub>	10
Rated short-time withstand current $I_{cw 1sec}$		A	400
Rated short circuit making capacity $I_{cm}$		A	-
Isolating characteristics up to		V~	690
Terminal cross section solid or multi-stranded	min./max.	mm <sup>2</sup>	1,0 – 6,0
Finely stranded with ferrule	min./max.	mm <sup>2</sup>	1,0 – 6,0
Terminal screws			M4
Torque terminal screws		Nm	1,8
Mechanical life	Operating cycles		1x10 <sup>6</sup>
Ambient temperature	open	°C	+50/-25
	encapsulated	°C	+40/-25
<b>acc. UL und CSA</b> 			
Rated operational current		A	25
Rated operational voltage		V	600
<b>Making/breaking capacity</b>	<b>Utilisation category</b>	<b>AC 3</b>	
Motor 3-phase	220/240 V 3~	hp	7,5
	440/480 V 3~	hp	15
	550/600 V 3~	hp	20
<b>Making/breaking capacity</b>	<b>Utilisation category</b>	<b>AC 23A(B)</b>	
Motor 1-phase	110/120 V	hp	1,5
	220/240 V	hp	3
Cable cross section		AWG-No	16 - 10