

# Technical data MDC1A-040-600

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

acc. IEC 60947-1, IEC 60947-3, CCC			
Rated insulation Voltage		Vdc	1000
Conventional thermal current $I_{th}$	open	Adc	40
Rated impulse withstand voltage $U_{imp}$		kV	8
<b>Ratings</b>			
Rated operational voltage $U_e$	<b>DC-21B</b>	Vdc	
Rated operational current $I_e$		Adc	
Rated operational voltage $U_e$	<b>DC-21B</b>	Vdc	
Rated operational current $I_e$		Adc	
Rated operational voltage $U_e$	<b>DC-PV1</b>	Vdc	400
Rated operational current $I_e$		Adc	40
Rated operational voltage $U_e$	<b>DC-PV1</b>	Vdc	600
Rated operational current $I_e$		Adc	40
Rated operational voltage $U_e$	<b>DC-PV1</b>	Vdc	800
Rated operational current $I_e$		Adc	32
Rated operational voltage $U_e$	<b>DC-PV1</b>	Vdc	1000
Rated operational current $I_e$		Adc	25
Rated short time withstand current $I_{cw 1sec}$		Adc	540
Rated short time making capacity $I_{cm}$		Adc	540
Pollution degree			3
Overvoltage category			III
Terminal cross section solid or multi-stranded	min./max.	mm <sup>2</sup>	1,5 - 10
Finely stranded with ferrule	min./max.	mm <sup>2</sup>	1,5 - 10
Terminal screws			M4
Torque terminal screws		Nm	2
Ambient temperature		°C	+70/-40
Ambient temperature peaks up to		°C	+75

Available for 1, 2 and 3MPPT

