

# Leistungsdaten MDC10-050-1000-4

**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 <sub>th</sub>	offen	Adc	50
Rated impulse withstand voltage U <sub>imp</sub>		kV	8
<b>Rating</b>			
Rated operational voltage U <sub>e</sub>	<b>DC-21B</b>	Vdc	1000
Rated operational current I <sub>e</sub>		Adc	50
Rated operational voltage U <sub>e</sub>	<b>DC-21B</b>	Vdc	1500
Rated operational current I <sub>e</sub>		Adc	16
Rated operational voltage U <sub>e</sub>	<b>DC-PV1</b>	Vdc	400
Rated operational current I <sub>e</sub>		Adc	50
Rated operational voltage U <sub>e</sub>	<b>DC-PV1</b>	Vdc	600
Rated operational current I <sub>e</sub>		Adc	50
Rated operational voltage U <sub>e</sub>	<b>DC-PV1</b>	Vdc	800
Rated operational current I <sub>e</sub>		Adc	50
Rated operational voltage U <sub>e</sub>	<b>DC-PV1</b>	Vdc	1000
Rated operational current I <sub>e</sub>		Adc	50
Rated operational voltage U <sub>e</sub>	<b>DC-PV2</b>	Vdc	400
Rated operational current I <sub>e</sub>		Adc	18
Rated operational voltage U <sub>e</sub>	<b>DC-PV2</b>	Vdc	600
Rated operational current I <sub>e</sub>		Adc	18
Rated operational voltage U <sub>e</sub>	<b>DC-PV2</b>	Vdc	800
Rated operational current I <sub>e</sub>		Adc	18
Rated operational voltage U <sub>e</sub>	<b>DC-PV2</b>	Vdc	1000
Rated operational current I <sub>e</sub>		Adc	18
Rated short time withstand current I <sub>cw 1sec</sub>		Adc	600
Rated short time making capacity I <sub>cm</sub>		Adc	600
Cross-section		AWG	14 - 6
Pollution degree			3
Overtoltage category			III
Terminal cross section solid or multi-stranded	min./max.	mm <sup>2</sup>	1,5 – 16
Finely stranded with ferrule	min./max.	mm <sup>2</sup>	1,5 - 16
Terminal screws			M4
Torque terminal screws		Nm	1,2-1,4
Ambient temperature		°C	+75/-25
Ambient temperature peaks up to		°C	+75(+65)

Erhältlich für 1, 2 und 3MPPT

