

# Technical data MDC10-040-1000-6UL

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

acc. UL508i			
<b>Electrical ratings</b>			
Rated operational voltage $U_e$		Vdc	600
Rated operational current $I_e$		Adc	30
Rated operational voltage $U_e$		Vdc	800
Rated operational current $I_e$		Adc	20
Rated operational voltage $U_e$		Vdc	1000
Rated operational current $I_e$		Adc	10
Rated insulation voltage $U_i$		Vdc	1000
Short circuit rating $I_{cw}$		kA	5
Rated impulse withstand Voltage $U_{imp}$		kV	8
Max. fuse rating (gPV)		Adc/Vdc	40/1000
<b>Environmental ratings</b>			
Maximum surrounding air temperature		°C	70
Pollution degree		Cat.	3
Over voltage category		Cat.	III
<b>Wiring ratings</b>			
Wire size stranded with ferrule		AWG	14-8
Conductor material			Cu
Conductor temperature rating		°C	105
Strip length		mm	12
Terminal screws			M4
Torque terminal screws		Nm	1,2-1,4

Available for 1, 2 and 3MPPT

