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Technical datasheet



Article Number Type description

Enclosed DC-Disconnect Switch

2 MPPT	4 x 1 contact		-
Switching Angle	90°	MDC10A-442E/V	1
Inscription	O OFF – I ON		
	Off-position at 9 o'clock	ON	
Enclosure	9982 Glass Reinforced Polyester enclosure, grey	° —⊖	Ì
	with drill holes for cable glands and pressure	UT .	1
	compensation unit. Weather and UV resistant		
Handle	Lockout handle black for 3 padlock		ź
	lockable in O-position	O OFF	
Collar	Grey	ON	>
Maintenance	Maintenance-free		2
Mech. Dimensions	see page 2		
Environmental Rating	IP66		
Standard	CE acc. IEC/EN 60947-3		
Pollution Degree	3		
Overvoltage Category	III		
Accessories	1 x pressure compensation unit + 2 x M 25x1,5mm ca	ble gland attached	

to be defined with order

MDC10A-442V-9982-EXEL

Electrical Data Series MDC10A-442 according to IEC/EN 60947-3:

Utilization Category	DC-PV1
Rated operational voltage U _e	[Vdc] 1005
Rated Operational Current I _e	[Adc] 32
Rated short time withstand current I_{cw}	600A – 1 sec.
Rated short time making capacity I _{cm}	600A
Rated Impulse Withstand Voltage U _{imp}	8kV
Rated Insulation Voltage U _i	1005V
Wiring	2 = Generator/Panel (-) 1 = Inverter (-)
	4 = Generator/Panel (+) 3 = Inverter (+)
	6 = Generator/Panel (+) 5 = Inverter (+)
	8 = Generator/Panel (-) 7 = Inverter (-)
Torque terminal screws:	1.2 - 1.4 Nm
Cross section solid or stranded:	1.5 – 10mm²
Stranded wire with sleeve:	1.5 – 10mm²
Stripping length	12mm
	page 1 2



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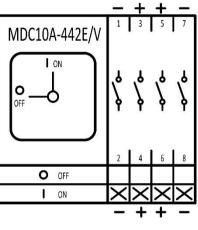
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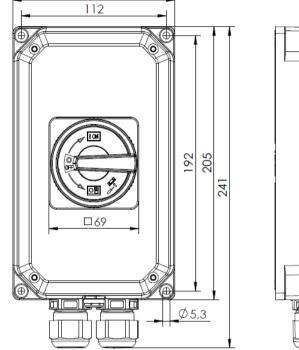
PCE M MERZ Switch to Quality!

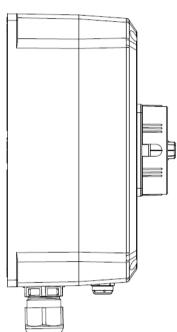


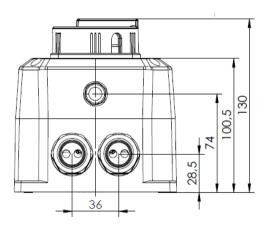
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Mechanical Dimensions (mm)

125







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page 2 | 2

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