

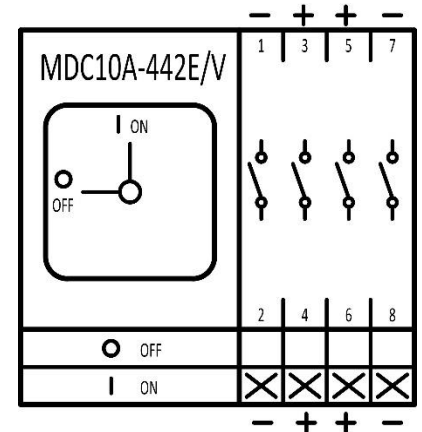
## Technical datasheet

### Description

Article Number to be defined with order  
 Type description **MDC10A-442V-9982-EXEL**

### Enclosed DC-Disconnect Switch

2 MPPT	4 x 1 contact
Switching Angle	90°
Inscription	O OFF – I ON Off-position at 9 o'clock
Enclosure	9982 Glass Reinforced Polyester enclosure, grey with drill holes for cable glands and pressure compensation unit. Weather and UV resistant
Handle	Lockout handle black for 3 padlock lockable in O-position
Collar	Grey
Maintenance	Maintenance-free
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 cable gland attached



### 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 – 10mm<sup>2</sup>  
 Stranded wire with sleeve: 1.5 – 10mm<sup>2</sup>  
 Stripping length: 12mm

## Mechanical Dimensions (mm)

