

LEAFLET

# SACE Emax 2 MS/DC-E DC-20

## Disconnecter at 1500 V DC



The SACE Emax 2 MS/DC-E DC-20 is the new 6000 A disconnecter based on the E4.2 MS/DC-E switch-disconnector, certified according to IEC 60947-3 to guarantee isolation up to 1500VDC. It offers to design engineers, panel builders and OEM manufacturers a solution to meet a wide range of DC applications installed in any part of the world.



### Space saving

Thanks to internal connections between poles, the nominal current reach 6000 A in a compact four-poles E4.2 frame (large just 551 mm) helping to optimize installation space.



### Time saving

Parallel links between poles are provided as internal, factory mounted feature, to speed-up installation process and guarantee optimal thermal performance during functioning.

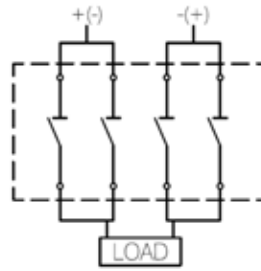


### High performance

This is the first disconnecter based on air circuit breaker able to reach 1500 VDC voltage with a 6000 A nominal current and 100 kA withstand current, providing a solution for increasingly demanding applications.

## Range

Common data	
Rated service voltage U <sub>e</sub>	[V] 1500
Rated insulation voltage U <sub>i</sub>	[V] 1500
Rated impulse withstand voltage U <sub>imp</sub> [kV]	12
Number of poles	4
Version	Withdrawable
Suitable for isolation according to	IEC 60947-3
Utilization category	DC-20A



SACE Emax2 MS/DC-E DC-20		E4.2	
Performance levels		V	
Rated uninterrupted current I <sub>u</sub> @ 40°C	[A]	6000	
Rated short-time withstand current I <sub>cw</sub> (1s)	[kA]	100	
Dimensions	H – Draw out	[mm]	425
	D – Draw out	[mm]	393
	W – Draw out 4p	[mm]	551
Mechanical Life <sup>(1)</sup>	[No. cycles x 1000]	15	
	Frequency [Oper./ Hour]	60	

(1) With regular maintenance prescribed by the manufacturer

Note: DC-20 utilization category means “Do not operate under load”: opening and closing of breaker must be performed only when current is equal to zero.

According to IEC standard, the use of DC-20 utilization categories is not permitted in the USA.

## Ordering codes

	I <sub>u</sub>	Type	Code
Mobile part	6000	E4.2V MS/DC-E DC-20 W MP	1SDA122994R1
Fixed part	6000	E4.2 MS/DC-E DC-20 FP LHR LHR	1SDA122995R1

## Accessories

SACE Emax 2 MS/DC-E DC-20 can be fitted with a vast assortment of electrical and mechanical accessories already available for the standard SACE Emax 2 range.

Phase separator (PB) and Protection for ON-OFF push-buttons (PBC) are provided by default.



For further detail, please consult the SACE Emax 2 MS/DC-E technical catalogue