



surge  
protection

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**SGDT 100 EX**

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EC-Type examination certificate		II2G Ex mb II T6
Class of lightning impulse current strength acc. to EN 50164-3		H
Approvals, certification		FTZU 04 ATEX 0255X
DC - Sparkover voltage		400 650 V DC
DC - Sparkover voltage (50 Hz)	$U_{aw}$	275 450 V DC
Rated AC withstand voltage (50 Hz)	$U_{W/AC}$	250 V
Impulse sparkover voltage at 5 kV / $\mu$ s for 99% of measured values (wave 1,2/50 $\mu$ s, 6kV)	$U_{rimp}$	< 1kv
Max. impulse discharge current (8/20)	$I_{max}$	150kA
Max. lightning impulse current (10/350) - Charge - Specific energy	$I_{imp}$ $Q$ W/R	100 kA 50 As 2500 kJ/ $\Omega$
Insulation resistance at 100 V DC	$R_i$	>1G $\Omega$
Capacitance at 1 MHz	C	5pF
Casing		corundum/binary resin with an external steel coat, resistant to climatic effects
Lifetime		min. 100.000 h
Weight		535 g