



SDI-16 is a socket adaptor designed as so-called transient protection, where protective elements varistors make two-stage cascade together with decoupling impedance created by current compensated inductor. This inductor is used because it has an absorbing ability during a transient effect initiated by current impulse stroke into an input clamps and it also effectively reduces the level of high frequency disturbance in transient and reverse direction (in band 0.15 ÷ 30MHz acc. to IEC 939

2) The right function (the integrity of mechanical thermal fuses of non-linear elements - varistors) is indicated by a green led diode.

SDI-16 contains non-linear elements (varistors and gas discharge tubes), that is why, it is necessary to disconnect measuring of insulation resistance.

Type		SDI-16
Test class acc. to IEC/EN		III / T3
Nominal voltage	U_N	230 V AC
Max. continuous operating voltage	U_C	275 V AC
Nominal current	I_N	16 A
Nominal discharge current I_n (8/20)	I_n	3 kA (L→N, L→PE)
Tested by combined impulse	U_{oc}	6 kV (L→N, L→PE)
Voltage protection level at wave shape I_{max} (8/20)	U_P	<840V (L→N) <500V (L→PE)
Response time	t_A	<25ns (L→N) <100ns (L→PE, L→PE)
Recommended corss-section of connected conductors		16A
Operating temperature range	ϑ	-5°to + 40°C
Protection type		IP 20