

PS 16/3

POWER SWITCH

The relating applications:

Measuring d_{max} voltage changes caused by manual switching (Annex B of IEC 61000-3-3)



Power Switch PS 16/3

- ✓ 3-phase, 4-pole power switch
- ✓ Switch control via Analyser Impedance System (AIS)
- ✓ Various output connectors

4-POLE POWER SWITCH

Functional principle

The PS 16/3 is a 3-phase, 4-pole power switch with various output connectors. It allows to measure the d_{max} voltage changes caused by manual switching according to IEC 61000-3-3, Annex B. The switch is controlled by the Analyser Impedance System (AIS).

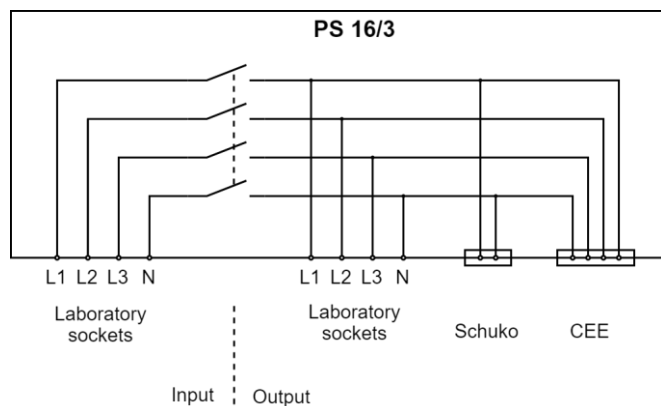


Fig. 1: Principle schematic PS 16/3

TECHNICAL DATA - POWER SWITCH

		PS 16/3
Switching current per phase (RMS, max.)		4-pole, 16 A
Switching voltage (RMS, max.)		600 V
Delay time (start delay)		0 ... 3600 s; resolution: 0.1 s
Switch-on time (t_{on})		0.1 ... 3600 s; resolution: 0.1 s
Switch-off time (t_{off})		0.1 ... 3600 s; resolution: 0.1 s
Number of repetitions (cycle)		0 ... 1000000 (0 = until „Stop“ is pushed)
Interface		CAN (via AIS)
Output		laboratory sockets, Schuko, CEE
Peak withstand voltage (max. 10 s, output to earth)		> 2000 V
Insulation resistance		> 1 M Ω
Ambient temperature		+10 °C up to +40 °C
Storage temperature		-25 °C up to +60 °C
Relative humidity		non condensing, max. 80 % for temperature < 31 °C, decreasing linearly to 50 % at 40 °C
Ingress protection		IP20
Power supply (± 10 %, 50/60 Hz)		230 V
Line protection		2 A, Schuko
Housing		plug-in unit, light grey (RAL 7035)
Switch approx. dimensions (H x W x D)		19", 2 U 89 x 483 x 150 mm
Weight (approx.)		3.5 kg