



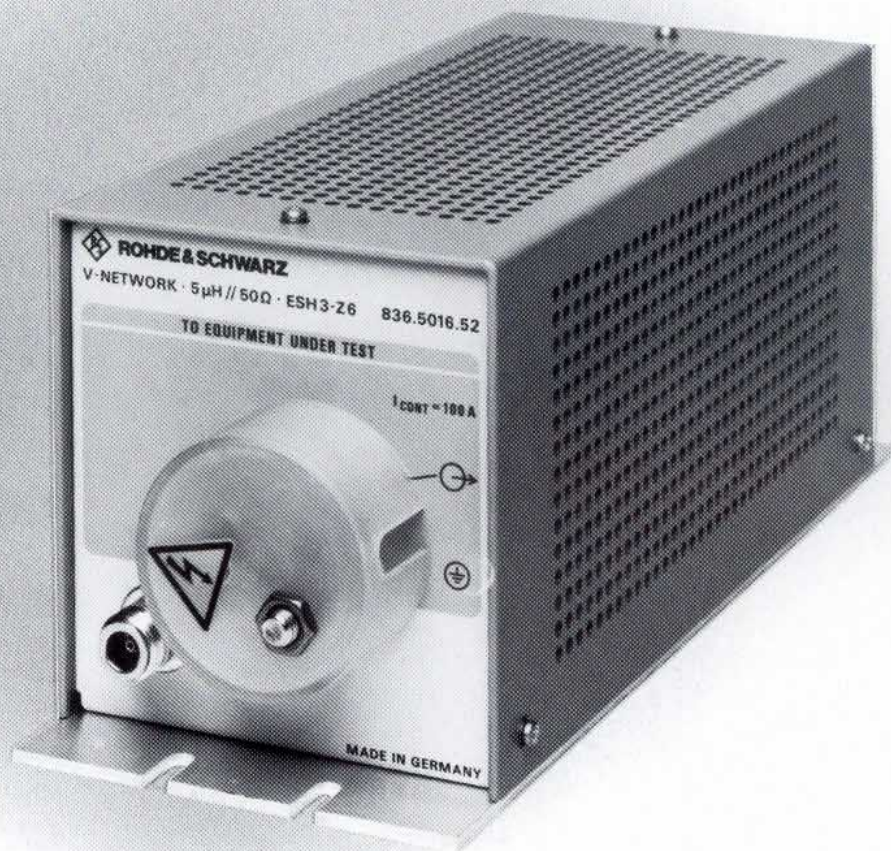
ROHDE & SCHWARZ

V-network

ESH 3-Z6

For measuring RFI
voltage and immunity to RFI
in low-impedance
power supply networks

- 0.1 to 200 MHz
- Continuous current of up to 150 A

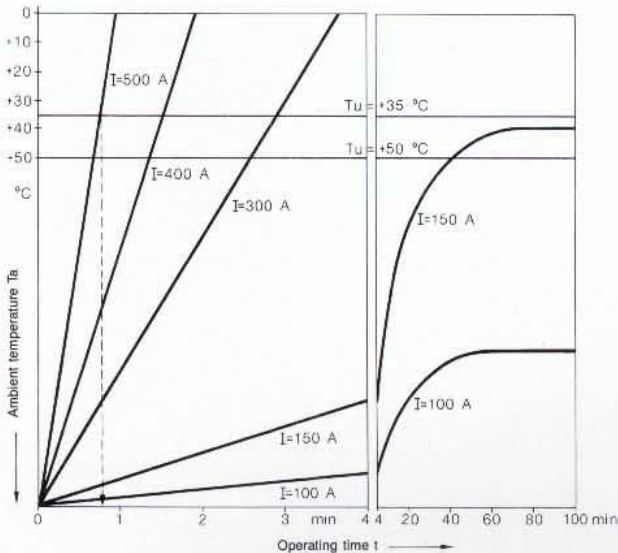


V-NETWORK ESH 3-Z6

Characteristics

The single-phase **V-network ESH 3-Z6** with an equivalent circuit of $(5 \mu\text{H} + 1 \Omega) \parallel 50 \Omega$ meets the requirements of VDE 0876 Part 1 (onboard power-supply systems), VDE 0879 Part 3, CISPR Publ. 16 (low-impedance power supplies) as well as MIL-STD 462 Notice 3, MIL-I-6181 D, MIL-I-16910 C, MIL-E-55301, DEF STAN 59-41 and DO 160 in the frequency range 100 kHz to 200 MHz.

The ESH 3-Z6 is rated for a continuous current of up to 150 A and can handle current surges of up to 500 A for a maximum time of 30 seconds.



Permissible operating time t at a given ambient temperature T_a and current I

Description

The V-network ESH 3-Z6 comprises screw terminals with large-area contacts for establishing low-impedance connection of the equipment under test and power supply by means of cable lugs.

Plastic covers on both terminals serve as a protection against inadvertent contact.

Specifications

Frequency range	0.1 to 200 MHz
Equivalent circuit (to VDE 0876)	$(5 \mu\text{H} + 1 \Omega) \parallel 50 \Omega$
Tolerance limits of impedance (to VDE 0876)	$\pm 20\%$
Continuous current	100 A
Maximum continuous current (up to $T_a = 35^\circ\text{C}$)	150 A
Current surge (up to 0.5 min)	500 A
Max. permissible operating voltages	
DC	600 V
AC	250 V
AC supply frequency range	0 to 440 Hz
Connections	
Power supply	screw terminal M8
Test item	screw terminal M8
Ground	screw terminal M8 (2 x)
Reference ground	metal baseplate screwed to ground plane
RF output	N female

General data

Rated temperature range	0 to $+50^\circ\text{C}$
Storage temperature range	-25 to $+70^\circ\text{C}$
Overall dimensions (W x H x D)	122 mm x 128 mm x 322 mm
Weight	1.9 kg

Ordering information

Order designation	► V-network 5 μH \parallel 50 Ω ESH 3-Z6 836.5016.52
Accessories supplied	manual, cable lugs (4 x) 092.5691.00