

Data Sheet no. 1.16/2

**Harmonic Filters,
Types WSK****Application**

The harmonic filters are used for improving the sinusoidal waveform of the output voltage of AC test systems.

Description

The harmonic filters are a series resonant circuit, which are tuned to the 3rd, 5th or 7th harmonic wave of the operating frequency. The harmonic filters allow this tuning by switching to the right tap at the tapped reactance and by connecting it to the capacitors. The exact tuning depends on the grid conditions at customer site, the components of the test system and the load of the system.

The harmonic filters are available for operating frequencies of 50 Hz and 60 Hz. This results in resonant frequencies of (150, 250 or 350) Hz or (180, 300 or 420) Hz.

They are built into a switching cubicle (IP20) for easier installation.

The harmonic filters are designed for continuous operation and are protected against overloading by a fuse.

Type	Nominal Current (A)	Nominal Voltage (V)	Dimension (LxWxH) (mm ³)	Weight (kg)
WSK 6/0.4	6	400	⁽¹⁾	15
WSK 30/0.5	30	500	740 x 425 x 450	90
WSK 30/1	30	1000	1000 x 520 x 550	180
WSK 21/6	21	6000	1250 x 1300 x 975	650

⁽¹⁾ Built into existing switching cubicle

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