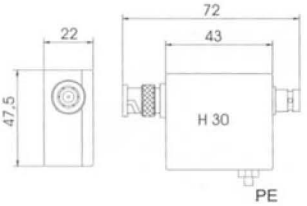
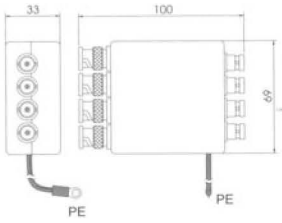
SCHIRTEC®

# VIDEO SIGNAL PROTECTION

## SKO 30, SKO 30-L, SKO 40 and SKO 40-L






SKO 30 and SKO 30-L are designed for protection of coaxial lines of 50Ω or 75Ω against induced surge effects in the Lightning Protection Zones Concept at the boundaries of $LPZ_{A(B)}$-1 and higher according to IEC 1312-1. They are used especially for protection of cameras and video signal concentrators.Applicaple for security systems and fire control equipment.
SKO 40 and SKO 40-L are designed for protection of coaxial lines of 50Ω or 75Ω against induces surge effects in the Lightning Protection Zones Concept at the boundaries of LPZ $O_{A(B)}$-1 and higher according to IEC 1312-1. There are four separate channels with video signal from TV cameras. Applicable for security systems fire control equipment.

| Type | | SKO 30 | SKO 30-L | SKO 40 | SKO 40-L |
|---|---|---|---|---|---|
| Category tested in acc. with IEC 61643-21 | | A2, B2, C2, C3, D1 | | | |
| Nominal current | $I_N$ | 300mA | | | |
| Series impedance | | 10Ω | | | |
| Parasitic capacitance | C | 27pF | | 47pF | |
| Nominal voltage of the videosignal | $U_N$ | 6 or 12V, acc to customer's demand | | | |
| Max discharge current at wave shape (8/20) | $I_{max}$ | 5kA | 6,5kA | 5kA | 6,5kA |
| Nominal discharge current at wave shape (8/20) | $I_n$ | 1kA | | | |
| Voltage protection level at $I_n$ | $U_P$ | 22 V at $U_N$ (video)=$6V_{rms}$<br>44 V at $U_N$ (video)=$12V_{rms}$ | | | |
| Voltage protection level at 1kV/µs | $U_P$ | 20 V at $U_N$ (video)=$12V_{rms}$<br>10 V at $U_N$(video)=$6V_{rms}$ | | | |
| Response time | $t_A$ | <30ns | | | |
| Operating Tempature range | ϑ | -40°to + 80°C | | | |
| Connection to | | Connector BNC 50Ω or 75Ω acc. to customer's specification input-female ; output-male | | | |
| Life time | | min 100.000 hrs | | | |
| Weight | m | 53g | 78g | 210g | 128g |