



KL9540, KL9550 | System terminals, surge filter system and field supply

The KL9540 system terminal contains an overvoltage filter for the 24 V field supply, the KL9550 for the 24 V field and system supply. The filter protects the Bus Terminals from line-bound surge voltages that can occur due to high-energy disturbances such as switching overvoltages at inductive consumers or lightning strikes at the supply lines. The Bus Terminals KL9540 or KL9550 protect the Bus Terminal station from damage in particularly harsh environments. The ship classification organisations require the use in shipbuilding applications and in the onshore/offshore sector.

Technical data	KL9540 KS9540	KL9550 KS9550
Diagnostics	–	
Nominal voltage	24 V (-15 %/+20 %)	
Surge filter field supply	yes	
Surge filter system supply	–	yes
Rated current field supply	≤ 10 A	
Rated current system supply	–	≤ 0.5 A
PE connection	yes	–
Weight	approx. 40 g	approx. 50 g
Operating/storage temperature	-25...+60 °C/-40...+85 °C	
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27	
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4	
Protect. class/installation pos.	IP 20/variable	
Pluggable wiring	for all KSxxxx Bus Terminals	
Approvals	CE, UL, Ex, GL	

Special terminals	
KL9540-0010	surge filter field supply for analog terminals

i Product announcement	KL9540, KL9550: available KS9540, KS9550: estimated market release on request
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