

Technical Data Sheet Low Current Power Surge Filter

GKSF SURGE FILTER

Product Description:

The GATEKEEPER GKSF filter is a multimode (LN-LE-NE) protected device housed in a DIN compliant full metal jacket enclosure. The GATEKEEPER GKSF has been designed to be fail-safe incorporating internal over voltage and thermal fusing.

Features:

- High surge current capabilities
- Internal fusing
- Status, power & thermal indication
- Regulated output
- Full multimode protection (multimode)
- Long service life



GKSF1 Surge Filter

Electrical Specification:		GKSF110-50	GKSF120-50	GKSF132-50
Connection Type:		Series		
Phases:		Single		
Nominal Input Voltage:	U_o	230Vac / 50Hz		
Maximum Continuous Voltage - Regulated:	U_c	274Vac / 50Hz		
Clamping Voltage (A-N / N-E):	V_c	274VAC		
Peak Let-through Voltage (3KA A-N):		274VAC		
Maximum Load Current and internal fuse:	I_L	10A	20A	32A
Energy Absorption (8.20us A-N)/8/20us N-E):		2200J		
Modes of Protection:		All Mode (L-N, L-E, N-E), Common and Transverse		
Inductor:		Non-saturating, Low Pass, Power and Noise Filtering		
Capacitor Type:		Self Healing Metal Film		
Primary Surge Protection (per mode):	I_{MAX}	50KA		
N-E Protection:		50KA		
Response time:	t_A	<1ns		
Cut-off Frequency (-3db @ full load):		<1KHz		
Earth leakage current:		<1mA		
Display:		Extra Bright LEDs - active after power is applied. Power LED – Normally on. Monitors the status of the supply. Status – Normally on. Monitors the status of the MOV components Thermal LED – normally on. Monitors the thermal status of the MOV component		
Alarm Contacts		Yes		
Mechanical Specifications:				
Connection Type:		Screw terminal		
Power Terminal Capacity:		25mm ²		
Alarm Terminal Capacity		2.5mm ²		
IP index:		IP 20		
Enclosure Shape		DIN		
Mounting:		TS35 DIN rail		
Width:		80mm		
Height (with terminals connected):		94mm		
Depth:		96mm		
Weight:		350g		
Warranty:		10 Year Manufacturer's Warranty		
Standards:				
Country of Design & Manufacture:		Australia		
Standard Compliance:		IEEE C62.41 cat, A, B, AS1768-2007 cat. A, B & C, AS3260, BS6651 cat A, B CP33 cat A, B, IEC 1000-4-5-1995, CE, UL1449 Third Edition, RMC 5140, IEC 61643-1 Class I, II, III		

KEY: Example: **GKSF120-50/P**

Gatekeeper	Number of Phases		KA Rating		
GK	SF	1	20	50	/P
Surge Filter			Max Amp		Optional Enclosure