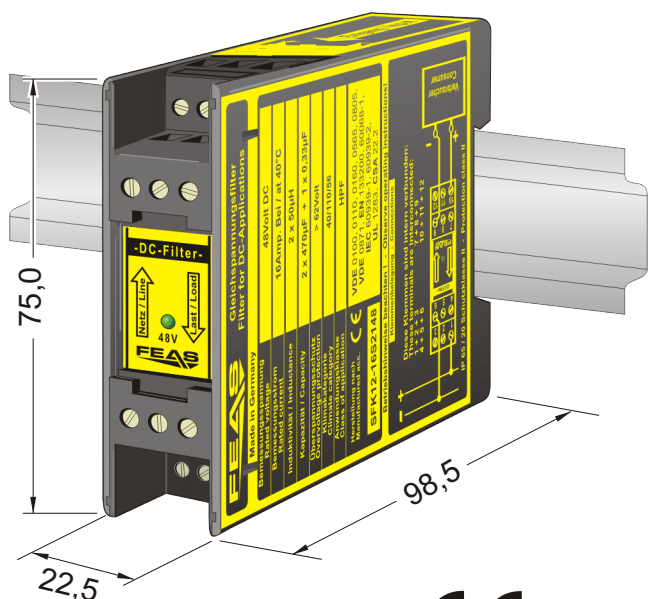


Radio interference suppression filters for 48VDC-lines

2-Lines 1-Stage

Type SFK12-16S2148



CE - conform

- ☐ Integrated overvoltage protection
- ☐ extra slim enclosure design, only 22,5mm wide
- ☐ Self-extinguishing polycarbonat housing in acc. to UL94V1
- ☐ Operatingstatus shown by LED
- ☐ Suitable for the tropics - Epoxy resin casted
- ☐ Safety acc. to VDE, EN, UL, CSA

Technical Data

Electrical data

Rated voltage U_R	see table below
Frequency	see table below
Rated current I_R	see table below
Overload current	$1,5 \times I_R$ $t < 2 \text{ Min.}$ $3 \times / h$
Inductance L_R	see table below
Capacity C_R	see table below
Derivation current	-
Discharge resistor	-

Operating data

Duty circle	100%
Operating temperature range	-40°C to +85°C
Derating	-
Storage temperature range	-50°C...+105°C
Cooling	self cooling
	recommended respective distance 15mm each

Safety devices

Fuse for input	-
Fuse for output	-
Overload protection	-
MTBF	>380.000 h

Safety data

Test voltage	-
Protection class	Class 2 (EN 60950)
Extra low safety potential	-
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP 65
Protective class terminals	IP 20 (VGB4)
Vibration proof	>30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27

Applied construction regulations

according to VDE	VDE 0100, 0110, 0113, 0551, 0160/W2, 0806
IEC	IEC 60939-1, IEC60939-2, IEC60068-2-3
	IEC 60068-2-11-52, IEC 60529, IEC 380
EN	EN133200, EN60068-1
	EN61000-6-1-2-3-4, EN50178
	EN55011, EN50204, EN61558-2-17
	EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11
	EN60068-1, EN60068-2-1-2-3-6-27-30
	EN45501, EN50021
CSA / UL	CSA-C 22.2 / UL1283, UL94V1

Mechanics

Mounting	On rails acc. to DIN 46277
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Type	SFK12-16S2148
Rated voltage	48VDC
Frequency	0Hz
Rated current	16,0Amp. at 40°C
Inductance	L1 2x50μH
Capacity	2 x 470μF(EIko) 1 x 330nF(Folie)
Dimensions (W x H x D)	22,5x75x98,5
Weight	approx. 0,35kg
Order-No.	51012

Insertion loss at 50

