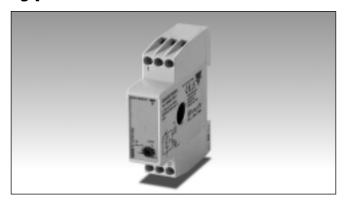
Monitoring Relays 1-Phase AC Over Current Type DIA53





- · 2-wire connection
- · Self-powered
- Input ranges: 2 20 AAC, 5 50 AAC or 10 100 AAC
- Knob-adjustable set-point
- Output: Normally open, 100 mA
- LED indication for output ON
- For mounting on DIN-rail in accordance with DIN/EN 50 022
- 17.5 mm DIN-rail housing (DIN 43880)

Product Description

Small current monitoring relay with built-in current transformer with adjustable setpoint and integrated solid state output. Self-powered and 2-wire connection for easy use.

12 mm hole for insulated current carrying wire makes it suitable for most applications. For mounting on DIN-rail.
17.5 mm wide housing suitable both for back and front panel mounting.

Ordering Key DIA 53 S 724 20A F Housing Function Type Item number Output Power supply Input range

Type Selection

Input current	Reaction time	Type no.	
2 - 20 AAC	Standard	DIA53 S724 20A	
5 - 50 AAC	Standard	DIA53 S724 50A	
10 - 100 AAC	Standard	DIA53 S724 100A	
2 - 20 AAC	Fast	DIA53 S724 20A F	
5 - 50 AAC	Fast	DIA53 S724 50A F	
10 - 100 AAC	Fast	DIA53 S724 100A F	

Output Specifications

Version

Output	NPN-PNP open collector, NO
Output current Maximum load current	100 mA
Leakage current	≤ 100 µA
Max. voltage	40 VDC
Voltage drop (U _d)	< 2.5 VDC

Input Specifications

	DIA53 S 724 20A	DIA53 S 724 50A	DIA53 S 724 100A
Current range	2 - 20 AAC @ 50 Hz	5 - 50 AAC @ 50 Hz	10 - 100 AAC @ 50 Hz
Max. current (continuously)	40 AAC	100 AAC	150 AAC
Max. overload current (t = 30 s)	200 AAC	200 AAC	200 AAC

General Specifications

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Reaction time DIA53	< 300 ms (input signal variation from -20% to +20% of set value)	Environment Degree of protection Pollution degree Operating temperature	IP 20 3 -20 to +60°C
DIA53F	< 50 ms	Weight	80 g
	(input signal variation from -20% to +20% of set value)	Screw terminals Tightening torque	Max. 0.5 Nm
Repeatability	0.5 %		acc. to IEC 60947
Hysteresis		Housing dimensions	17.5x81x67.2 mm
(Differential travel)	7 - 13% of setpoint	Approval	UL, CSA
Frequency range	45 - 400 Hz	CE Marking	Yes
Temperature variation	±0.20%/°C of setpoint	EMC Immunity Emission	Electromagnetic Compatibillity According to EN 61000-6-2 According to EN 61000-6-3



Dimensions

