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SCHLEICHER Relais und Automatisierunassysteme

	Relais und Automatisierungssystem
Technical data	
Device type	NGF 52
Product norm (Time relays)	EN 61812-1:1999-08
Relay function according to IEC 60050 (445)	Notching relay with auxiliary supply
Function diagram	FD 250 -51
Function display Ambient operating temperature range	3 LEDs green - 25 to + 60 °C
	20.0.000
Input circuit Rated voltage A1 - A2, B1 - A2	AC/DC 24 to 240 V
Rated power AC	3.5 VA/1.7 W
Rated power DC	1.6 W
Rated voltage limits Rated frequency f _n	70 to 110 % 50 to 60 Hz ± 5 %
Release value of input voltage	≥ AC/DC 10 V; permissible line
(line capacitance approx. 150 pF/m)	capacitance 0.2 µF
Rated current on control connection (B1 - A2)	1 mA
Rated power on control connection (B1 - A2) Parallel load permitted	< 0.25 W A1 - A2 yes/B1 - A2 yes
Internal one-way rectifier	A1-A2 no/B1-A2 yes
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Function times Recovery time 1/2	0/≤ 25 ms
Minimum ON time 1/2	$\leq 25/-ms$
Output circuit	
Contact equipment Contact material	2 changeover contacts AgNi 90/10
Rated operating voltage	AC/DC 24 to 240 V
Rated value for limiting continuous current I _{th}	5 A
Minimum contact load	\geq AC/DC 5 V/ \geq 10 mA
Utilization category according to IEC 60947-5-1	AC–15 U _e AC 230 V, I _e 3 A DC–13 U _e DC 24 V, I _e 2 A
Permissible switching frequency	\leq 3600 switching cycles/h
Mechanical service life	30 x 10 ⁶ switching cycles
Electrical service life	
20/2 A, AC 250 V, $\cos \varphi = 0.3$ Operate time / release time for excitation A1 - A2	0.12 x 10 ⁶ switching cycles AC–15 40 ms
Operate time / release time for excitation B1 - A2	20 ms
Other data	
Other data Clearance/creepage distances to IEC 60664 - 1	
Contamination level	3 outside, 2 inside
Overvoltage category	11
Rated voltage	AC/DC 275 V
Protection class housing / terminals acc. to IEC 60529	IP 40/IP 20
Interference immunity acc. to IEC 61000-4	Test level 3
Dimensions (housing)	K 3-3
Terminal connection diagram Connection cross sections single or fine wire	KS 250 - 26 1 x 0,2 to 6 or 2 x 0,2 to 2,5 mm ²
fine wire with connector sleeve	1×0.2 to 3×0.2 to 2×0.2 to 2.5 mm ² 1 x 0.4 to 4 or 2 x 0.2 to 1.5 mm ²
Weight	0.13 kg
General Technical Specification	NGG Catalogue