

SFR 123 GM - Industry DC Switching relay, 2-pole - 10A - 6 pin



number of contacts **2 NO DC Switching relay**
 switching current range **1 mA to 10A**
 inrush current **30 A**
mechanical position indication
mechanical actuation with lever

order numbers

SFR 123 G A ..VDC/AC

contact specifications

contact material (STANDARD)	AgCuNi
code 1	AgCuNi + 0.2 μ Au
code 2	AgCuNi + 5.0 μ Au
contact type	single contact
nominal switching capacity	250 VAC 10AAC1 30 VDC 10ADC1 220 VDC 10ADC1 220 VDC 5ADC1 L/R 7ms
electric life expectancy at nominal load	\geq 100'000 operations 250 VAC, 10 A, AC1 (360 operations/h)
max inrush current max.	30 A for 20 ms
switching current range	1 mA for 10A
switching power range	250 W

options

electrical position indication without manual Push Button
 SFR 123 GM-LB ..VDC/AC
 electrical position indication with free wheeling diode without manual Push Button
 SFR 123 GM-FLB ..VDC

general data

mechanic life expectancy	AC: Million / DC: 20 Million
mechanical switching frequency	20 Hz
pick up voltage	$\leq 0.8 \times U_N$
release voltage	$\leq 0.1 \times U_N$
nominal power	1.2 VA (A) / 1 W (DC)
pick up time / bounce time	16 ms / ≤ 3 ms
release up time / bounce time	8 ms / ≤ 1 ms
shock resistance	AK : > 10 g
test voltage, coil / contact	2500 V _{eff}
test voltage, set of contacts/set of contacts	2500 V _{eff}
test voltage, open contact	1000 V _{eff}
insulation resistance @ 500VDC	≥ 1 G Ω
creeping resistance	CTI 250
weight	app. 43 g
installation situation	any
ambient temperature	-40 to +70 °C
protection standard	IP 40

accessories

plug-in socket	ZFE-088
accessories 1	ZFE-008
accessories 2	ZPE-1-L
plug-in socket	ZFD-088
accessories 1	ZFD-008
accessories 2	ZFD-B1
plug-in socket	ZFI-088
accessories 1	ZFI-008
accessories 2	ZPE-1-L
PCB socket	ZFR-012
accessories 1	ZFR-008

tests, instructions

certificates	VDE
insulations group	VDE 0110 / group C 250 VAC

