

SFR 143 - Industry relay, 4-pole- 6A - 14 pin



number of contacts **4 Change Over**
 switching current range **1 mA to 6 A**
 inrush current **15 A**
 specialities standard **mechanical position indication**
mechanical actuation with lever

order numbers

SFR 143 A ..VDC/AC

contact specifications

contact material code 1 (STANDARD)	AgCuNi + 0.2 μ Au
code 2	AgCuNi + 5.0 μ Au
contact type	single contact
nominal switching capacity	250 VAC 6AAC1 30 VDC 6 A DC1 440 VAC 4 A AC1
electric life expectancy at nominal load	\geq 100,000 operations 250 VAC, 6 A, AC1 (360 operations/h)
peak inrush current max.	15 A for 20 ms
switching current range	1mA to 6 A
switching power range	0.3 VA to 1250 VA

option

electrical position indication
 SFR 143 AL ..VDC/AC

electrical position indication with free wheeling diode
 SFR 143 AFL VDC

electrical position indication without manual Push Button
 SFR 143 ALB VDC

electrical position indication with free wheeling diode without manual Push Button
 SFR 143 AFLB VDC

general data

mechanic life expectancy	10×10^6 operations
mechanical switching frequency	20 Hz
pull-in time	8.0ms at DC / 3-9 ms at AC
release time	3,5 ms at DC / 4-12 ms at AC
bounce time normally open contact	3,0 ms at DC / 1-8 ms at AC
bounce time break contact	8.0 ms at DC / 19-16 ms at AC
shock resistance	AK: > 10 g
test voltage, coil/contact	2000 V _{eff}
test voltage, set of contacts/set of contacts	2000 V _{eff}
test voltage, open contact	1000 V _{eff}
insulation resistance	250 M 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-148
accessories 1	ZFE-008
accessories 2	ZPE-1-L
plug-in socket	ZFD-148
accessories 1	ZFD-008
accessories 2	ZFD-B1
plug-in socket	ZFI-148
accessories 1	ZFI-008
accessories 2	ZPE-1-L
PCB socket	ZFR-014
accessories 1	ZFR-008

tests, instructions

certificates	VDE
insulation group	VDE 0110 / group C 250 VAC

