

# SFR 143 S - Industry relay, 4-pole - 7A - 14 pin



number of contacts      **4 Change Over**  
 switching current range      **1 mA to 7 A**  
 inrush current      **15 A**  
 specialities / standard      **mechanical position indication**  
    **mechanical actuation with lever**

## order numbers

SFR 143S A ..VDC/AC

## contact specifications

contact material code 1 (STANDARD)	AgCuNi + 0.2μ Au
code 2	AgCuNi + 5.0μ Au
contact type	single contact
nominal switching capacity	250 VAC 7 A AC1 30 VDC 7 A DC1
electric life expectancy	≥ 100'000 operations 250 VAC, 1 A, AC1 (360 operations/h)
max. inrush current	15 A for 20 ms
switching current range	1mA to 7 A
switching power range	0.3 VA to 1750 VA

## options

electrical position indication  
 SFR 143 S AL ..VDC/AC ....

electrical position indication with free wheeling diode  
 SFR 143 S AFL ..... VDC

electrical position indication without manual Push Button  
 SFR 143 S ALB ..... VDC

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

## general data

mechanic life expectancy	10 x 10 <sup>6</sup> operations
mechanical switching frequency	20 Hz
pull-in time	8 ms 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 ms at DC / 9-16 ms at AC
shock resistance	AK: > 10 g
test voltage, coil/contact	2000 V <sub>eff</sub>
test voltage, set of contacts/set of contacts	2000 V <sub>eff</sub>
test voltage, open contact	1000 V <sub>eff</sub>
insulation resistance	250 MΩ
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
insultions group	VDE 0110 / group C 250 VAC

