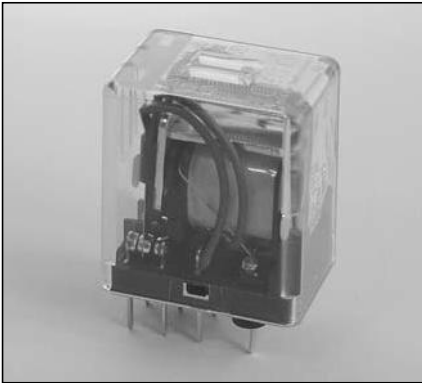


FR 11P - miniature relay



Miniaturised PCB-relay with three change-over contacts for industrial electronics.

order numbers

PCB version FR11P.VDC/VAC

contact specifications

(see data sheet for curves)

contact material	AgCuNi
contact type	single contact
nominal switching capacity	250 VAC 4 A AC1 500 VA
electric life expectancy	app. 150'000 operations 250 VAC 2A AC1 (360 Schaltung/h)
inrush current max.	15A for 200 ms
switching current range	50 mA to 2A
switching power range	0,3VA(W) to 500VA

options

contact material AgCuNi
 AgCuNi+Au10µm
(see data sheet for contacts)

general data

mechanic life expectancy	> 50 x 10 ⁶ operations
mechanical switching frequency	20 Hz
pull-in time	8 ms at DC / 3-9 ms at AC
release time	2,5 ms at DC / 4-12 ms at AC
bounce time normally open contact	3 ms at DC / 1-8 ms at AC
bounce time break contact	8 ms at DC / 3-16 ms at AC
shock resistance	AK: >10 g
test voltage, coil/contact	2'000 V _{eff}
test voltage, open contact	1'000 V _{eff}
insulation resistance	250 MΩ
weight	35 g
installation situation	any
ambient temperature	max. +60 °C

accessories

PCB socket ZB 87
metal clamp ZFR004

tests, instructions

certificates UL, CSA, VDE