

NFZ 8-pole control relays

Pilot duty rated A600 / Q600

AC / DC operated – Low consumption



NFZ44E

Description

NFZ control relays are used for switching auxiliary and control circuits.

These control relays are of the block type design with:

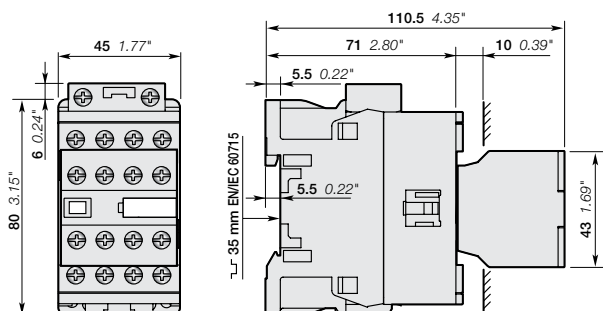
- 8 poles with a permanently fixed 4-pole auxiliary contact block. Control relays have mechanically linked auxiliary contact elements (side-marked symbol)
- control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range (e.g. 100...250 V AC and DC)
 - can manage large control voltage variations
 - only 4 control voltage ranges covering 24...250 V 50/60 Hz and 12...250 V DC
 - allow direct control by PLC-output ≥ 24 VDC 500 mA
 - reduced panel energy consumption
 - very distinct closing and opening
 - can withstand short voltage dips and voltage sags (SEMI F47-0706 conditions of use on request)
- built-in surge suppression
- add-on auxiliary contact blocks for side mounting and a wide range of accessories

Ordering details

Number of contacts		Rated control circuit voltage Uc min. ... Uc max.	Catalog number	Global reference code	Weight kg Pkg (1 pce)
1st stack	2nd stack				
		V 50/60 Hz	V DC		
		–	12...20	NFZ44E-20	1SBH136001R2044 0.360
		24...60	20...60	NFZ44E-21	1SBH136001R2144 0.360
		48...130	48...130	NFZ44E-22	1SBH136001R2244 0.360
		100...250	100...250	NFZ44E-23	1SBH136001R2344 0.360
		–	12...20	NFZ53E-20	1SBH136001R2053 0.360
		24...60	20...60	NFZ53E-21	1SBH136001R2153 0.360
		48...130	48...130	NFZ53E-22	1SBH136001R2253 0.360
		100...250	100...250	NFZ53E-23	1SBH136001R2353 0.360
		–	12...20	NFZ62E-20	1SBH136001R2062 0.360
		24...60	20...60	NFZ62E-21	1SBH136001R2162 0.360
		48...130	48...130	NFZ62E-22	1SBH136001R2262 0.360
		100...250	100...250	NFZ62E-23	1SBH136001R2362 0.360
		–	12...20	NFZ71E-20	1SBH136001R2071 0.360
		24...60	20...60	NFZ71E-21	1SBH136001R2171 0.360
		48...130	48...130	NFZ71E-22	1SBH136001R2271 0.360
		100...250	100...250	NFZ71E-23	1SBH136001R2371 0.360
		–	12...20	NFZ80E-20	1SBH136001R2080 0.360
		24...60	20...60	NFZ80E-21	1SBH136001R2180 0.360
		48...130	48...130	NFZ80E-22	1SBH136001R2280 0.360
		100...250	100...250	NFZ80E-23	1SBH136001R2380 0.360

Note: Only NFZ contactor relays with DC control voltage 12...20 V DC need to respect the connection polarities indicated close to the coil terminals: A1+ for the positive pole and A2- for the negative pole.

Main dimensions mm, inches



NFZ44E, NFZ53E, NFZ62E, NFZ71E, NFZ80E