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Contact Blocks

NO Contact Block



NC Contact Block

Contact Blocks ^{①②}

Description/Function	Contact Type	Without Guard Catalog Number	Fingerproof Catalog Number
Standard normally open contact	NO	HT8A	HT8AP
Standard normally closed contact	NC	HT8B	HT8BP
Normally open early make contact will make circuit before standard NO contact. DC ratings do not apply.	NOEM	HT8C	HT8CP
Normally closed late break contact will open after standard NC contact. DC ratings do not apply.	NCLB	HT8D	HT8DP
Logic level, low voltage NO contact. Gold plated contacts.	NO	HT8E	HT8EP

Contact Block Location (Viewed from Rear)

Suffix Codes ^{③④}

Left Side	Right Side
A = NO	A5 = NO
A2 = 2NO	A6 = 2NO
B1 = NC	B = NC
B2 = 2NC	B6 = 2NC
C = NOEM	C5 = NOEM
C2 = 2 NOEM	C6 = 2 NOEM
D1 = NCLB	D = NCLB
D2 = 2 NCLB	D6 = 2 NCLB
E1 = NOEM-NCLB	E5 = NOEM-NCLB
F1 = NO and NC	Q1 = NO and NC
F4 = 1NO-1NC	

Notes

- ① See **Page V7-T1-316** for contact block electrical ratings.
- ② Maximum of four contact blocks per side or a total of eight contact blocks recommended.
- ③ Maximum of two contact blocks per side or a total of four contact blocks recommended.
- ④ Standard contact blocks without fingerproof protection.

Technical Data and Specifications

HT800—Specifications

Description	Specification
Mechanical Ratings	
Frequency of operation	
Pushbuttons	6,000 operations per hour
Selector switches	3,000 operations per hour
Push-pull operators	3,000 operations per hour
Mechanical endurance/life	
Pushbuttons	10 x 10 ⁶ operations 6K ops/hr with 6 NO on left and 6 NC on right
Selector switches	250 x 10 ³ operations 3K ops/hr with 2 NO on left and 2 NC on right
Push-pull operators	250 x 10 ³ operations 3K ops/hr with 6 NO on left and 6 NC on right
Climatic Conditions	
Operating temperature	10° to 140°F (–12° to 60°C)
Storage temperature	–40° to 176°F (–40° to 80°C)
Altitude	6,562 ft (2,000m)
Humidity	95% RH at 60°C
Terminals	
Contact blocks	#6-32 posidrive saddle clamp type, 1 x 16 AWG to 2 x 14 AWG, 12 in-lbs max.
Light units	#6-32 posidrive saddle clamp type, 1 x 22 AWG to 2 x 14 AWG, 7 in-lbs max.
Electrical Ratings	
Standard contact blocks UL (NEMA) rating	See table below.
Logic level contact block power rating	5V 1 mA (minimum) 28V 500 mA (maximum)

Electrical Ratings—HT800 Standard Contact Blocks, UL Rating

Description/Function	Contact Type	AC	DC	Catalog Number
Standard normally open contact	NO	A600 ^①	P600 ^②	HT8A
Standard normally closed contact	NC	A600 ^①	P600 ^②	HT8B
Normally open early make contact will make circuit before standard NO contact. DC ratings do not apply.	NOEM	A600 ^①	—	HT8C
Normally closed late break contact will open after standard NC contact. DC ratings do not apply.	NCLB	A600 ^①	—	HT8D
Logic level, low voltage NO contact. Gold plated contacts.	NO	5V 1 mA (minimum) 28V 500 mA (maximum)		HT8E

UL A600 and P600 Ratings

Description	50 Vac or 60 Hz				Vdc ^③		
	120	240	480	600	125	250	600
Make and emerg. interrupting capacity (amp)	60	30	15	12	1.1	0.55	0.2
Normal load break (amp)	6	3	1.5	1.2	1.1	0.55	0.2
Thermal current (amp)	10	10	10	10	5	5	5
Voltamperes:							
Make and emerg. interrupting capacity	7200	7200	7200	7200	138 ^④	138 ^④	138 ^④
Normal load break	720	720	720	720	138	138	138

Notes

^① Heavy-duty.

^② Standard-duty.

^③ DC ratings do not apply to NOEM (Normally Open Early Make) and NCLB (Normal Closed Late Break) contact blocks HT8C and HT8D.

^④ Maximum make or break volt-amperes at 300V or less.