

# General Purpose Relays

## Solutions for Control Applications

Product Profile

As part of Rockwell Automation’s commitment to provide world-class products, Allen-Bradley is introducing a new series of General Purpose relays to its Bulletin 700 line – the 700-HA, 700-HB series D and the 700-HD series B.

### Key Features

- **Increased Performance** – through reliable and enriched improvements
- **Increased Switching Capability** – from 10A to 15A on HB and HD
- **Flexibility** – compatible among (7) different, existing Allen-Bradley 1492 terminal block snap-in markers
- **Reduced Size** – 6-mm shorter panel space needed in the HA and HB
- **Easy Installation and Maintenance** – electrical wiring schematic visible on faceplate
- **Tamper Resistant** – new “break-off” tab above optional push-to-test and manual override lever
- **Color Coded Coil and Lever** – gives you visual indication as to control voltage applied (Blue for DC, Orange for AC)



### Two New 700HB Sockets

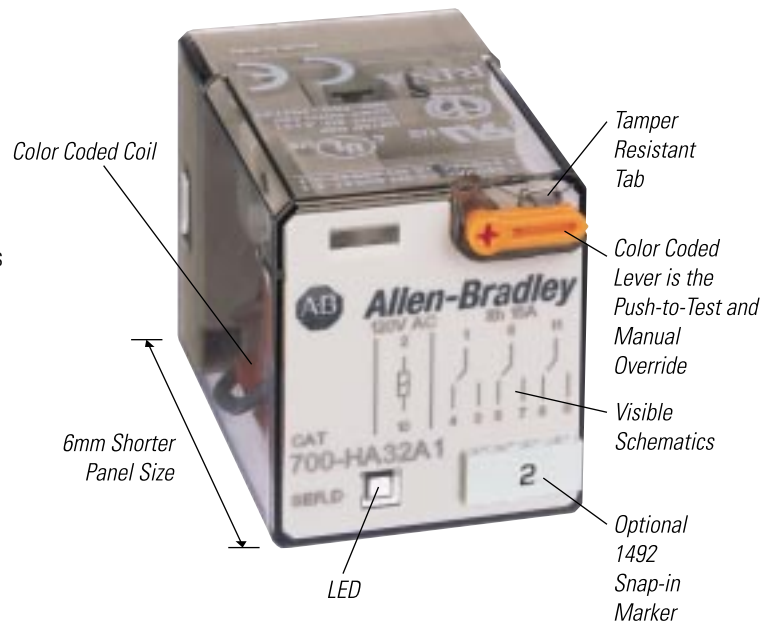
#### IEC Closed Terminal Version

- Part Number: 700-HN153
- 15 Amp, 300V AC rating
- 10% panel space savings
- Coil and contact separation
- Replaces 700-HN102 socket



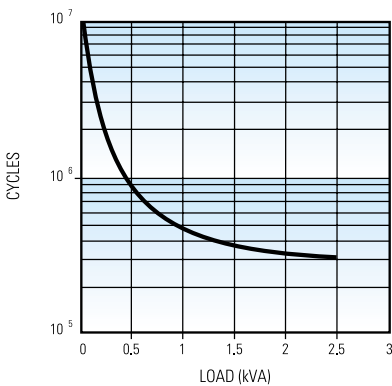
#### NEMA Open Terminal Version

- Part Number: 700-HN154
- 15 Amp, 300V AC rating
- Replaces 700-HN127 socket

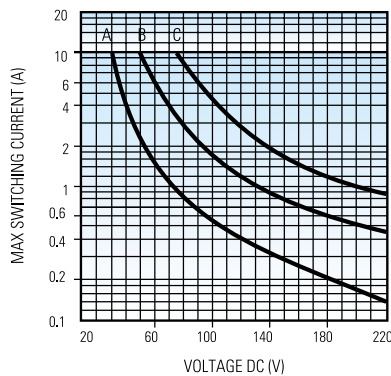


Type	Socket-Mount Tube Base	Socket-Mount Blade-Style	Flange/Panel Mounted
<b>Style</b>	700-HA Series D	700-HB Series D	700-HD Series B
<b>Switching Capability</b>	DPDT, 3PDT Ith = 10A 30A/3A (Make/Break) 1/3 HP @ 120V AC 1 HP @ 240V AC	DPDT, 3PDT Ith = 15A 60A/6A (Make/Break) 3/4 HP @ 120V AC 2 HP @ 240V AC	DPDT, 3PDT Ith = 15A 60A/6A (Make/Break) 3/4 HP @ 120V AC 2 HP @ 240V AC
<b>Mechanical Life Cycle</b>	20/50 Million Cycles (AC/DC)	10/30 Million Cycles (AC/DC)	10/30 Million Cycles (AC/DC)
<b>Dielectric Strength</b>	Between coil and contacts = 2000V Between adjacent contacts = 2000V	Between coil and contacts = 4000V Between adjacent contacts = 2500V	Between coil and contacts = 4000V Between adjacent contacts = 2500V
<b>Operating Temperatures</b>	-40C to +70C	-40C to +70C	-40C to +70C
<b>Certifications</b>	cURus, cULus (with approved Allen-Bradley socket), IMQ, ABS, RINA, CE		
<b>Accessory 1492 Snap-in Markers</b>	1492-SM8X12, 1492-SM5X12, 1492-SM6X12, 1492-SM6X9, 1492-SM8X9, 1492-MP-___, as well as a variety of pre-printed markers		

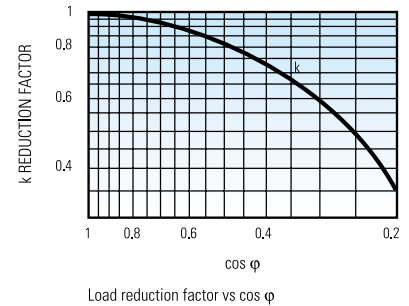
### 700-HA Specifications



Contact life vs AC1 load at 1,800 cycles/h.

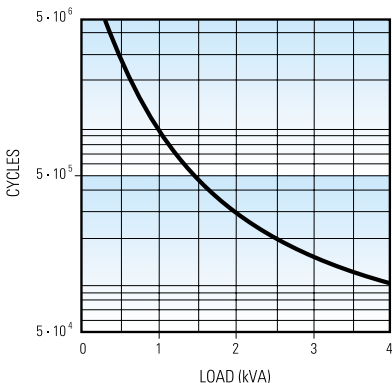


Breaking capacity for DC1 load at 1,800 cycles/h.  
A = load applied to 1 contact  
B = load applied to 2 contacts in series  
C = load applied to 3 contacts in series

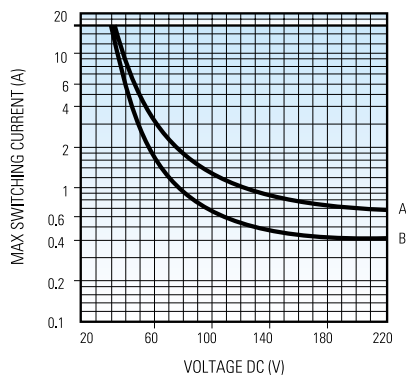


Load reduction factor vs cos phi

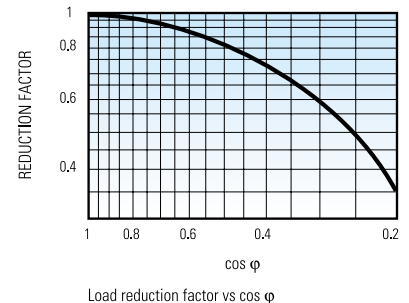
### 700-HB and 700-HD Specifications



Contact life vs AC1 load at 600 cycles/h.



Breaking capacity for DC1 load at 600 cycles/h.  
Load applied to 1 contact  
A = for N.O. types  
B = other types



Load reduction factor vs cos phi

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