GENERAL CHARACTERISTICS

Temperature range	-70° C to +125° C
Altitude	80,000 feet
Dielectric strength at sea level	
- Coil to case	1250 Vrms
- All other points	1500 Vrms
Dielectric strength at altitude 25000 m (80,000 ft) (all points)	500 Vrms
Initial insulation resistance at 500 Vdc	100 MΩ min.
Initial insulation after life or environmental test	50 MΩ min.
Sinusoidal vibration	10g / 5 to 1000 Hz
Shock	50g / 11 ms
Operate time at nominal voltage	
AC	25 ms max.
DC	20 ms max.
Release time at nominal voltage	
AC	50 ms max.
DC	10 ms max.
Bounce Time at Nominal voltage	2 ms max.
Contact voltage drop at nominal current	
-initial value	150 mV max.
-after life	175 mV max.

COIL CHARACTERISTICS

CODE	115 Vac 50/60 Hz	115 Vac 400 Hz	28 Vdc	28 Vdc (Suppressed)
Nominal operating voltage	115	115	28	28
Maximum operating voltage	122	122	32	32
Maximum pick-up voltage over temperature range	95	95	18	18
Maximum pick-up voltage over temperature range (Continuous Current test)	108	108	22.5	22.5
Drop-out voltage over temperature range	5.0	5.0	1.5	1.5
Coil current at +25° C (amperes)	.06	.055	-	-
Coil Resistance - DC Coils (*)	-	-	160	160
Back EMF Suppression to (VDC)	-	-	-	42

For other coil voltages, consult factory.

- **DC Coil Resistance ± 10% at 25°C.**

Dimensions shown for reference Only. Specifications subject to change.

PRODUCT DATA SHEET

29-Nov-2017 Rev

PH. 828-338-1087 FAX 828-338-1103
1396 CHARLOTTE HIGHWAY, FAIRVIEW, NC 28730

SERIES FC-335

CAGE CODE	SCALE	SHEET
	NONE	2 of 6

CONTACT ELECTRICAL CHARACTERISTICS

Type of Load	Life (Min.) Cycles X10^3	CONTACT RATING (A)				
		28Vdc	25A, 230 VAC		35A, 115 VAC	
			400 Hz	50/60 Hz	400Hz	50/60Hz
Resistive	50	35	25	25	35	35
Inductive	10	15	25	25	25	25
Motor	50	20	20	12	20	12
Lamp	50	10	10	10	10	10
Mechanical life reduced current	200	6.3	6.3	6.3	6.3	6.3

PART NUMBERING SYSTEM

CII Part Number	Terminal	Mounting	Coil
FC-335-CW3	Solder Hook	Stud	28 Vdc
FC-335-SY3	Screw	Bracket	28 Vdc
FC-335-CW4	Solder Hook	Stud	28 Vdc (Suppressed)
FC-335-SY4	Screw	Bracket	28 Vdc (Suppressed)
FC-335-CW9	Solder Hook	Stud	115 Vac, 50/60 Hz
FC-335-SY9	Screw	Bracket	115 Vac, 50/60 Hz
FC-335-CW8	Solder Hook	Stud	115 Vac, 400 Hz
FC-335-SY8	Screw	Bracket	115 Vac, 400 Hz

* **SPECIALS AVAILABLE UPON REQUEST, PLEASE CONTACT FACTORY.**