4	3	2	
	R PUBLICATION – , – .		
C COPYRIGHT – TE Connectivity Ltd.	RIGHTS RESERVED.		P LTR
			A INITIAL RELEASE

General Specifications

Temperature Rating — -70°C TO + 125°C

D

С

В

А

Altitude — 300,000 Feet Shock* — Z & Y Enclosures — 200 g for 6 mS W, X & M Enclosures — 100 g for 6 mS

T Enclosure (In Track) — 50 g for 11 mS

Vibration, Sinusoidal* —

Z & Y Enclosures — 30 g 70-3000Hz W, X & M Enclosures — 20 g 70-3000Hz T Enclosure (Socket Mounted in Track) — 20 g 500-3000 Hz

Vibration, Random* —

Z & Y Enclosures — 0.4 g²/Hz 50-2000Hz T, W, X & M Enclosures — 0.2 g²/Hz 50-2000Hz

Dielectric Strength —

At Sea Level — All circuits to ground and circuit to circuit — 1000 V rms Coil to ground — 1000 V rms At 80,000 Feet - 250 V rms

Insulation Resistance —

Initial (500 VDC) — 100 M Ω Min. After Life or Environmental Tests — $50 M\Omega$ Min.

Operate Time at Nominal Voltage — 6 ms or less

Release Time at Nominal Voltage — 6 ms or less

* Max. contact opening under vibration or shock 10 microseconds

Coil Data

Coil	Nominal	Биол	DC Res.	Over Temperature Range			
Code	Voltages	Freq. Hz	(B)	Pickup or Below Volts	Dropout or Above Volts	Must Hold Voltage (C)	
1	6	DC	25 Ω	4.5	0.3	2.5	
2	12	DC	78 Ω	9.0	0.75	4.5	
3	28	DC	400 Ω	18.0	1.5	7.0	
4 (A)	28	DC	400 Ω	18.0	1.5	7.0	
5	48	DC	1275 Ω	36.0	2.5	14.0	

A. CODE 4 COILS HAVE BACK EMF SUPPRES

B. DC COIL RESISTANCE ± 10% AT 25°C

C. RELAY WILL STAY IN PICKED-UP STATE DO

D. MAX. OVERVOLTAGE: 6 & 12 VDC COILS 12

Contact Rating — Amperes **Ratings Are Continuous Duty**

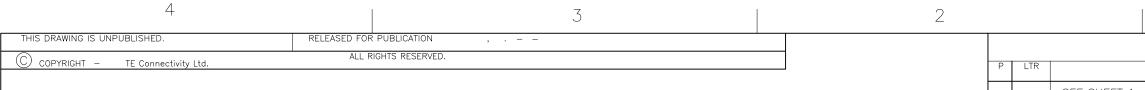
	Type of LoadLife (Min.)Cycles x 103		28 VDC	115VAC 400Hz	115/200VAC 400Hz-3Ø	
	Resistive	100	5	5	5	
	Inductive	20	3	5	5	
	Motor	100	2	3	3	
_	Lamp	100	1	1	1	

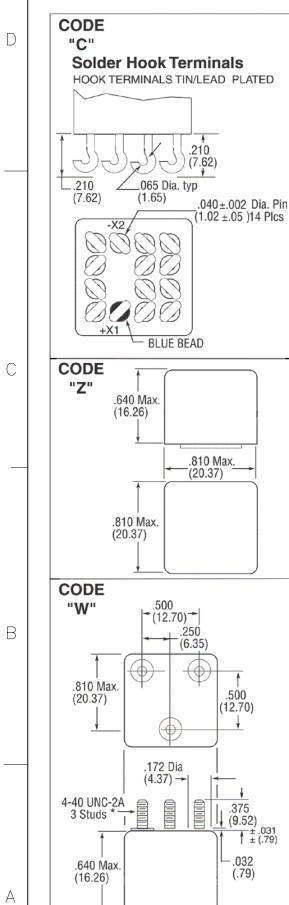
Low Level Switching Capability: With conta microamperes at 10 to 50 millivolts, the co level shall be 100 ohms max. Cycling rate operations.

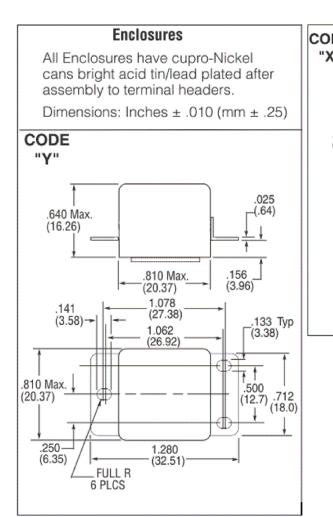
Overload Current — 20 AMPS DC, 30 AMF Rupture Current — 25 AMPS DC, 40 AMPS Contact Make Bounce — 1.0 MILLISECONE Max. Contact Drop at 5 Amps — INITIAL End of Life — 0.125 VOLTS

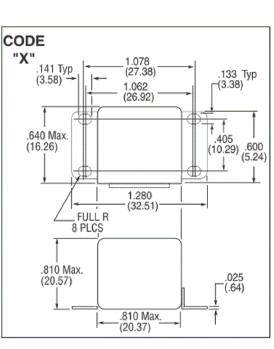
			2				1			
							VISIONS			
			-	P LTR		DES	SCRIPTION	DATE	DWN	APVD
			F	A	INITIAL F	RELEASE		280CT2019	RV	MB
			L	I			and the second	-	I	<u> </u>
							1. 50	and and a		
		Over Ten	nperature Ra	ange			and	States .		
DC Res. (B)	Pickup	or D	ropout or		st Hold		1200			
	Below		pove Volts	Vol	tage (C)		1 2	C234		
25 Ω 78 Ω	4.5 9.0		0.3		2.5 4.5		al an		P.	
400 Ω	9.0		1.5		7.0		818	Control of		
400 Ω	18.0	-	1.5		7.0		O	10		
1275 Ω	36.0	-	2.5		14.0					
SSION TO 42	2 VOLTS MAX	ζ.					Product Facts			
							Hermetically Sector	ealed		
OWN TO MUST HOLD VOLTAGES SHOWN. 20% OF NOMINAL; ALL OTHERS 110% OF				JAI			All Welded Con			
							 Balanced Force 			
							Permanent Mag		_	
/DC 1	15VAC	115/200VA	<u>c</u>				Contacts rated 5 Amps 28 VDC		-	
	400Hz	400Hz-3Ø					VAC 400 Hz, 3 I		00	
5	5	5					■ Weight .93 oun			
3	5	5					(26.4 grams)	003 max.		
2	3	3					Qualified to M8	3536/5 & /	6	
	1	1						,	-	
	ting a load o)5 relay	increased conta			
	ance miss c				ed sing		in both states ov			
is i to izp	er second, f	ior 100,000			gn, whe permar		a spring return r design. We also			
					ovides t		manufacture oth		าร	
PS 400Hz					olding f		of this relay:			
5 400Hz						ate, and	FCB-205 — 5 A	mp DPDT		
D AT NOMIN	IAL VOLTAGE	Ē			n is swit		Relay			
0.100 VOLTS	S					h the coil				
					•	d state. reciably				
				Jourc	, in app	- Joidory				
THIS DRAWIN	NG IS A CONTR	ROLLED DOCUM	ENT. DWN RV		280CT2019					
			СНК		280CT2019		ETE TE Conr	nectivity		
DIMENSI	C	TOLERANCES UNLES OTHERWISE SPECIFII	ED: APVD MB		280CT2019	NAME	C-FCB-405-SEF	SIES		
1	0 PL 1 PL		PRODUCT SF	PEC .			C T CD 400 3EI	NLO		
	2 PL 3 PL	.C ± - .C ± -	APPLICATIO	N SPEC			_			
	4 PL ANGLE	ES ± -				SIZE CAGE CODE			RESTRIC	CTED TO
MATERIAL	FINIS	- -	WEIGHT	—		A3 -	C-FCB-405-SE			_
			CUSTON	MER DR.	AWING		scale NTS s	HEET 1 OF 2	2 REV	ΎΑ

1470-19 (1/15)



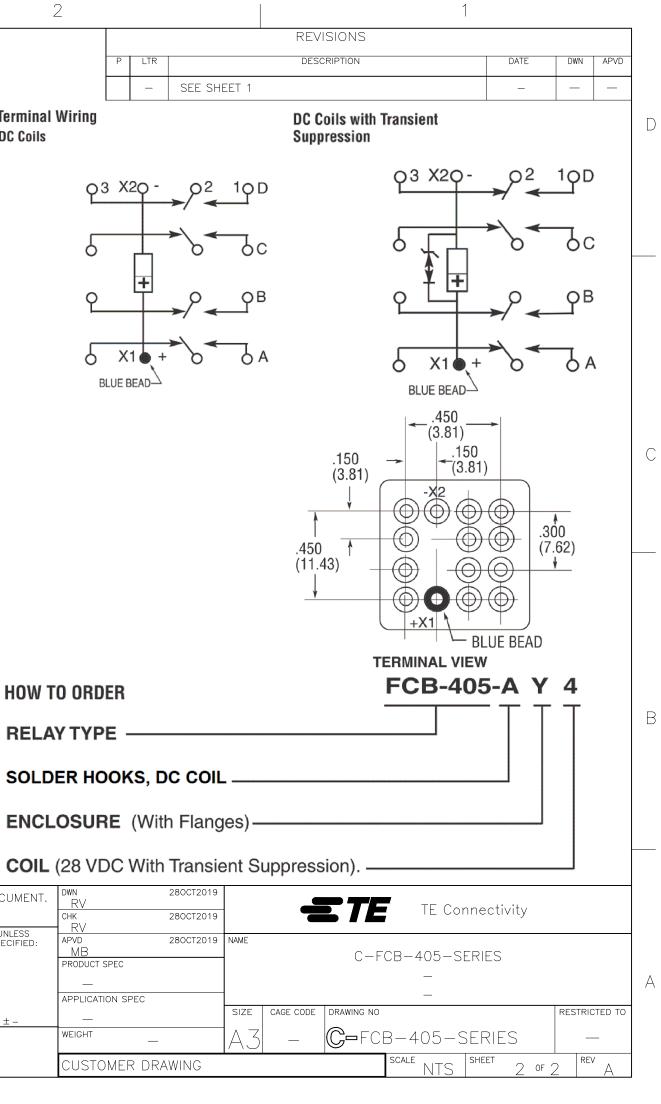






THIS DRAWING IS A CONT

Terminal Wiring DC Coils



NOTE: Polarity must be observed with DC coil supply. Relay is polarized with a permanent magnet and will not operate or be damaged by reverse polarity.

Diodes used in transient suppression and in AC rectifier circuits have peak inverse voltage rating of 600 VDC minimum. Zener diodes have a minimum rating of 1 watt.

Terminal designations are for reference only and do not appear on the header.

SOLDER HOOKS, DC COIL							
ENCL	OSURE	(With Flang	jes) —				
COIL	(28 VDC	With Transie	ent Sup				
ROLLED DOCUMENT.	dwn RV	280CT2019	_				
TOLERANCES UNLESS	снк RV	280CT2019					

	entitioeeee beeementi.	l RV		
		СНК 280СТ2019		
DIMENSIONS:	TOLERANCES UNLESS	RV APVD 280CT2019	NAME	
INCHES	OTHERWISE SPECIFIED:	MB		
	0 PLC ± -	PRODUCT SPEC		
	1 PLC $\pm -$ 2 PLC $\pm -$	—		
$\forall \Box$	3 PLC ± -	APPLICATION SPEC		
	4 PLC ± – ANGLES ± –	_	SIZE	C.
MATERIAL	FINISH	WEIGHT	1 A 7	
_	_		$\gamma \sim 0$	
		CUSTOMER DRAWING		
	1			

1470-19 (1/15)

.810 Max. (20.37)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: M83536/6-002L