



Lever **NOT** included

**Explosion-Proof Limit
Switches Series CX: Short
Housing: Side Rotary;
Lever not included**

Actual product appearance may vary.

Features

- Sealing - applicable portions of NEMA 1, 3, 4, 4X, 6, 6P, 7, 9, and 13
- Watertight and dust-tight for outdoor use
- 4 mA to 20 mA analog output available
- UL Listed, file #E14274
- Analog UL file #E68247
- CSA Certified, file #LR57324
- Rugged, cast aluminum housing
- Pretravel, overtravel, and actuating sequence can be field adjusted without tools (all basics individually)
- Rotary types convert in seconds to clockwise, counter-clockwise, or both-way operation

Potential Applications

- Control valves and actuators
- Petro-chemical plants
- Grain handling
- Waste treatment
- Hazardous waste handling
- Power generating
- Paint facilities

Description

CX switches are built especially for outdoor use in hazardous atmospheres. These enclosures are constructed to withstand the pressure of an internal explosion. Flame paths cool the exploded gases to a point less than the lowest safe operating temperature of the surrounding gas.

Product Specifications	
Availability	Global
Operating Force (O.F.)	0.50 Nm [.369 lb ft] max.
Pretravel (P.T.)	15° max.
Overtravel (O.T.)	90° min.
Differential Travel (D.T.)	10° max.
Product Type	Weather-Sealed, Explosion-Proof Limit Switches
Actuator	Side Rotary
Lever Style	Lever Not Included - Reference Lever Required Accessory
Circuitry	1NC 1NO SPDT Snap Action; Maintained; 2 Basic Switches
Ampere Rating	15 A Ind./ 0.5 A Res./0.25 A Res.
Supply Voltage	120 Vac, 240 Vac or 480 Vac/125 Vdc/250 Vdc
Housing Material	Aluminum
Termination Type	0.75 in - 14NPT conduit
Housing Type	CX: Short: 104 mm [4.09 in]
Series Name	CX
Sealing	NEMA 1, 3, 4, 4x, 6, 6P, 7 (Class I, Division 1, Groups C, D), 9 (Class II, Division 1, Groups E, F,G), 13
Approvals	UL listed, CSA Certified, ATEX approved, IECEx
CSA File #	LR57324
UL File #	E14274
ATEX File #	KEMA 01ATEX2111X
IECEX	IECEX TSA 06.0003X
Operating Temperature Range	-25 °C to 85 °C [-13 °F to 185 °F]
Comment	Maintained with continual CW and/or CCW rotation
UNSPSC Code	302119
UNSPSC Commodity	302119 Switches and controls and relays
Sealed	Explosion-proof

MICRO SWITCH

FREEPORT ILLINOIS U.S.A.
A DIVISION OF HONEYWELL

FED. MFG. CODE 91929

SWITCH-ENCLOSED

CATALOG LISTING

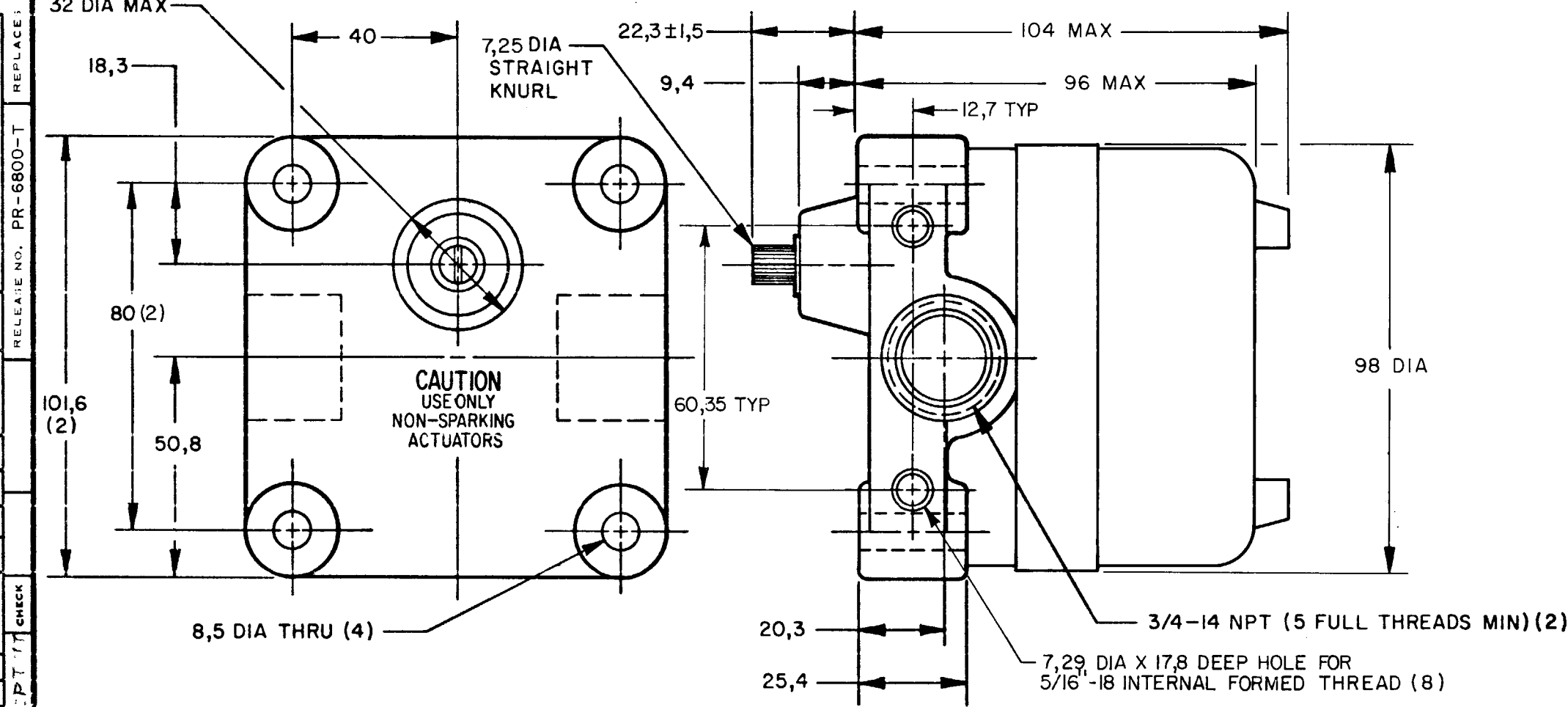
11CX 12CX

SERIES CHT 2

CONVERSION CHART

7,25	.285
7,29	.287
8,5	.33
9,4	.37
12,7	.50
17,8	.70
18,3	.72
20,3	.80
22,3±1,5	.880±.059
25,4	1.00
32,0	1.26
40,0	1.57
50,8	2.00
60,35	2.38
80,0	3.15
96,0	3.78
98,0	3.86
101,6	4.00
104,0	4.09
0,50 Nm	.369 PF
1,13 Kg	2.49 LB

11CX 12CX
SERIES CHT 2
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 DRAWING NUMBER
 ISSUE 11



NOTES

- 1 - EXPLOSION PROOF-UNDERWRITERS LAB INC LISTING FOR HAZARDOUS LOCATIONS CLASS I, GROUPS C AND D; CLASS II, GROUPS E, F AND G
- 2 - ALUMINUM ENCLOSURE FINISHED WITH BLUE AND BLACK EPOXY PAINT
- 3 - 6-32 UNC X 7,92 REF PAN HEAD TERMINAL SCREW AND LOCK-WASHER (SEMS TERMI-LOX) (3 PER BASIC)
- 4 - CAMS MAY BE REPOSITIONED IN 7°20' INCREMENTS
- 5 - FOR USE IN TEMPERATURES UP TO 85° C
- 6 - UNIT PROVIDES NO SHAFT RESTORING FORCE, THE ACTUATING DEVICE MUST CONTROL MOVEMENT OF SHAFT
- 7 - SEE (M) 7CX CHARTS 1 AND 2 FOR LEVER ACTUATORS

REVISIONS
 A PR22373 JAK 30 AUG 96
 B CO-91491 CSL 2 FEB 98
 C CO-95297 6 JUL 99
 CHECKED BY: J A L 31 AUG 77
 DRAWN BY: FORMTEK

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SCALE 3/4 TO 1
DO NOT SCALE PRINT

CHARACTERISTICS	11CX	12CX
OPERATING FORCE	0,50Nm MAX	0,50 Nm MAX
PRETRAVEL	15° MAX	15° MAX
DIFFERENTIAL TRAVEL	10° MAX	10° MAX
OVERTRAVEL	90° MIN	90° MIN

CONTACT ARRANGEMENT
S P D T
(EACH BASIC)

TOLERANCES
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE UNLESS NOTED. TOLERANCES ARE ±

DIM.	TOL.	DIM.	TOL.
mm	mm/in	in	mm/in
NO PLACES	X	1/04	
ONE PLACE	X,X	0,47/016	X X
TWO PLACES	X,X,X	0,38/016	X X X
THREE PLACES	X,X,X,X	0,13/005	X X X X
ANGLES			

DESIGN UNITS: METRIC US CUSTOMARY

RAW MATERIAL-COMMERCIAL STANDARD MICRO SWITCH STANDARDS APPLY
DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED

WEIGHT 1,13 Kg APPROX

CAT. LIST.	DESCRIPTION	ELECTRICAL DATA
(B)	1 BASIC; OPERATES CLOCKWISE & COUNTER CLOCKWISE	UL LISTED-FILE E14274 CODE L96 15A-125, 250 OR 480 VAC 1/8 HP-125 VAC; 1/4 HP-250 VAC 1/2 A-125 VDC; 1/4 A-250 VDC
11CX12-	2 BASICS; EACH OPERATES CLOCKWISE & COUNTER CLOCKWISE	
11CX12C	2 BASICS; EACH OPERATES CLOCKWISE & COUNTER CLOCKWISE	
11CX15-	2 BASICS; 1 OPERATES CLOCKWISE ONLY; 1 OPERATES COUNTER CLOCKWISE ONLY	
12CX11-	1 BASIC; OPERATES CLOCKWISE & COUNTER CLOCKWISE	UL LISTED-FILE E14274 CODE L23 20A-125, 250 OR 480 VAC 10A-125 VAC "L" 1HP-125 VAC; 2HP-250 VAC 1/2A-125 VDC; 1/4A-250 VDC
12CX12-	2 BASICS; EACH OPERATES CLOCKWISE & COUNTER CLOCKWISE	
12CX15-	2 BASICS; 1 OPERATES CLOCKWISE ONLY; 1 OPERATES COUNTER CLOCKWISE ONLY	