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NOTES:

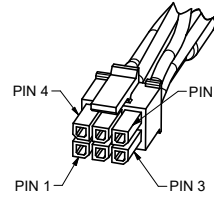
1. USE 1/4-20 GRADE 8 BOLTS FOR INSTALLATION
RECOMMENDED TORQUE FOR TIGHTENING: 14 ft.-lbs.
2. MAX LOAD RATING: 750 lbs.
3. FINISHES:
A. EVERLUBE INTERNAL COMPONENTS, FC (54) FLUOROCARBON COATING
B. FRONT PLATE AND BACK PLATE, FC (24) ELECTROPLATED ZINC
C. NON THREADED SPACERS, FC (64) ZINC W/YELLOW CONVERTER
D. ACTUATOR MODULE, (MB) MATTE BLACK
E. ENTIRE ASSEMBLY, (BG) BEARING GREASE
4. THIS PRODUCT IS RoHS COMPLIANT.
5. THIS ELECTRONIC MINI-ROTARY ASSEMBLY TO BE USED IN POWERED UNLOCK/LOCK APPLICATIONS.
6. TO ORDER 32 PCS. TO A BOX, ADD "BX32" TO THE PART NUMBER, EXAMPLE: CM1-16240-BX32NTAL-BG.

ELECTRICAL NOTES:

1. LATCH MUST BE SECURED IN THE PRIMARY POSITION FOR THE STATUS SWITCH TO INDICATE LOCKED.
2. RATED OPERATING VOLTAGE: 12 VDC
3. RECOMMENDED PULSE DURATION: .50 to .60 SECONDS.
4. MAXIMUM AMPERAGE RATING: 2.5 A

COLOR CODE TO PIN CONNECTION

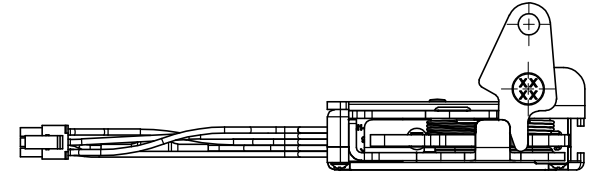
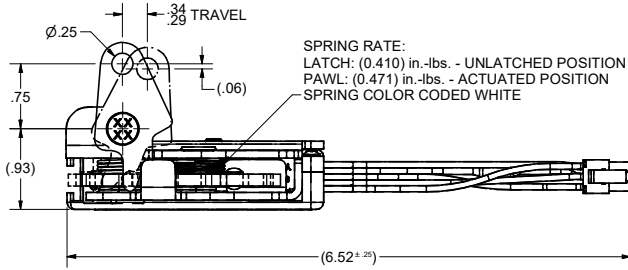
USE THE FOLLOWING WIRE COLORS TO CONNECT TO THE FOLLOWING PIN NUMBERS



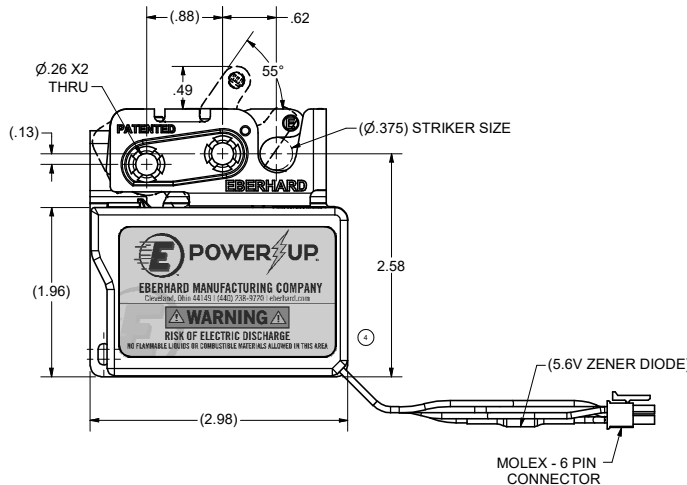
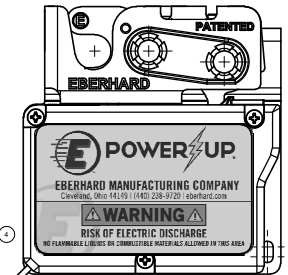
| | | |
|---|---|---|
| 4 | 5 | 6 |
| 1 | 2 | 3 |

| WIRE COLOR, ASSIGNMENTS | | |
|-------------------------|------------|------------------------------------------|
| PIN-OUT | WIRE COLOR | ASSIGNMENT DESCRIPTION |
| 1 | (OPEN) | OPEN - NOT USED |
| 2 | RED | MOTOR, POSITIVE |
| 3 | BROWN | MOTOR, NEGATIVE |
| 4 | BLACK | SWITCH COMMON |
| 5 | BLUE | SWITCH CLOSED IN THE LATCHED POSITION |
| 6 | GREY | SWITCH CLOSED IN THE UN-LATCHED POSITION |

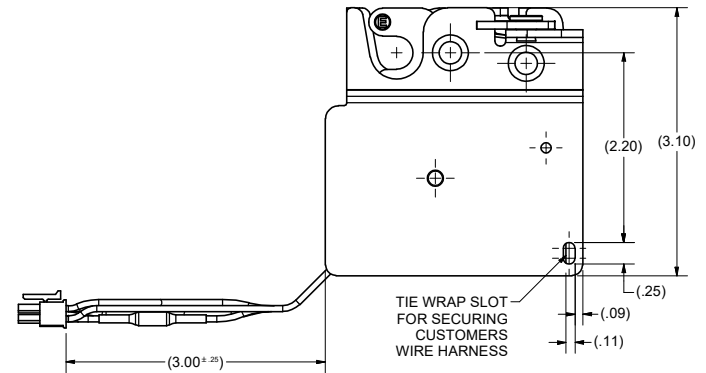
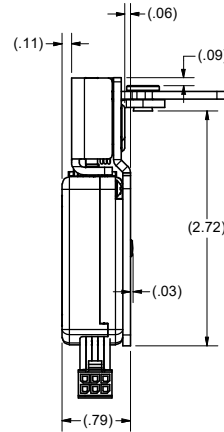
| REVISION HISTORY | | | | | |
|------------------|------------------------------------------------------------------------------------------------|---------|-----------|---------|----------|
| REV | DESCRIPTION | EN | DATE | REV. BY | APVD. BY |
| | RELEASED | EN 5740 | 2/19/2016 | SAA | LSW |
| 1 | ADDED NOTE | EN 5750 | 4/29/2016 | SAA | LSW |
| 2 | REVISED INTERNAL SWITCH PLUNGER | EN 5785 | 1/13/2017 | SAA | LSW |
| 3 | REVISED PART NUMBER | EN 5788 | 2/3/2017 | SAA | LSW |
| 4 | REVISED VIEWS TO DETAIL, REMOVED POWER UP GRAPHIC, REMOVED PATENT PENDING, ADDED PATENTED NOTE | EN 5844 | 3/16/2018 | SAA | LSW |
| 5 | REVISED NOTE | EN 5952 | 5/22/2020 | SAA | LSW |



CM1-16240-NTAR (BG)
ELECTRONIC MINI-ROTARY, TWO
STAGE ASSEMBLY, NON THREADED
SPACERS, LIGHT TORSION SPRING
& 5.6V ZENER DIODE
RIGHT HAND



USE MATING MOLEX CONNECTOR PART NUMBER:
43020-0601 (QTY 1) - PLUG HOUSING
43031-0008 (QTY 5) - METAL CRIMP CONNECTOR



CUSTOMER PRINT
SHEET 1 OF 3
LEFT HAND SHOWN
RIGHT HAND OPPOSITE



PATENTED
<http://www.eberhard.com/ip>

| | | | | | |
|-------------------------------------------------------|--|-----------------|--|-----------------------------------------------------------------------------------------------------------------|--|
| THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.15-2018 | | DATE: 2/19/2016 | | NAME: ELECTRONIC MINI-ROTARY, TWO STAGE ASSEMBLY, NON THREADED SPACERS, LIGHT TORSION SPRING & 5.6V ZENER DIODE | |
| LINEAR MEASURE: INCH | | DRAWN BY: SAA | | SCALE: FULL | |
| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWS: | | CHECKED BY: SAA | | MATERIAL: _____ | |
| IN MM | | DATE: 2/19/2016 | | PART NUMBER: CM1-16240-NTAR/L | |
| ANGLES: # 2 # 2 | | SCALE: FULL | | MATERIAL: _____ | |
| 2 PLACE DEC: # .03 # .16 | | DATE: 2/19/2016 | | PART NUMBER: CM1-16240-NTAR/L | |
| 3 PLACE DEC: # .015 # .38 | | CHECKED BY: SAA | | MATERIAL: _____ | |
| ALL HOLES: # .005 # .13 | | DATE: 2/19/2016 | | PART NUMBER: CM1-16240-NTAR/L | |