

FUTEK MODEL QLA424

NANO LOAD BUTTON

ITEM NUMBER: QSH02214

INCH [mm] | R.O.= Rated Output

WIRING CODE

+ Excitation	- Excitation	-Signal	+Signal
RED	BLACK	WHITE	GREEN
PIN A	PIN B	PIN C	PIN D

+OUTPUT
(COMPRESSION)

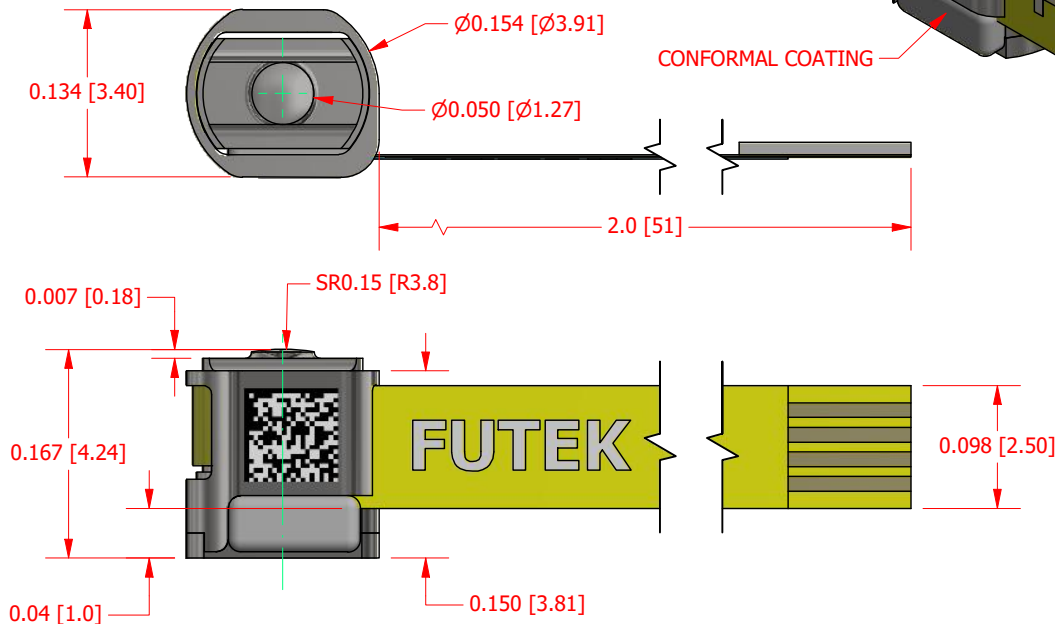
DO NOT LOAD
ON ENCLOSURE

QR CODE - CONTAINS S/N

CONFORMAL COATING

PIN D

PIN A



SPECIFICATIONS:

RATED OUTPUT	1.5 mV/V nom.
CAPACITY	30 lb
SAFE OVERLOAD	150 % of R.O.
EXCITATION (VDC OR VAC)	2V (5V MAX*)
BRIDGE RESISTANCE	1000 Ω nom.
NONLINEARITY	$\pm 0.5\%$ of R.O.
HYSTERESIS	$\pm 0.5\%$ of R.O.
TEMP. SHIFT ZERO	$\pm 0.02\%$ of R.O./°F (± 0.036 of R.O./°C)
TEMP. SHIFT SPAN	$\pm 0.02\%$ of LOAD/°F (± 0.036 of LOAD/°C)
COMPENSATED TEMP.	60 to 160 °F (16 to 71 °C)
OPERATING TEMP	-60 to 200 °F (-51 to 93 °C)
WEIGHT (approx)	0.001 lb [0.5 g]
MATERIAL	17-4 PH S.S.
DEFLECTION	0.0002 [0.005] nom.
CABLE: 4 Pin, 0.5 mm pitch, 2" flex	
*2V EXC RECOMMENDED / 5V MAX (REQUIRES WARM UP)	

DSPM Industria*
sensori & trasduttori

Via Paolo Uccello 4 - 20148 Milano
Tel +39 02 48 009 757 Fax +39 02 48 002 070 info@dspmindustria.it www.dspmindustria.it

M1.2x0.25 - 6H ∇ 0.05 [1.2]
THREAD MOUNT

BOTTOM VIEW

CUSTOMER APPROVAL- COMPANY:

CUSTOMER APPROVAL- NAME / DATE:

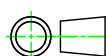
REVISIONS: (Refer to dwg # revision sheet)

OUTLINE DRAWING

STANDARD NOTES: (Unless Otherwise Specified)

ALL DIMENSIONS ARE IN INCHES
DRAWING INTERPRETATION DIMS. PER ASME-Y14.5
REMOVE BURRS AND BREAK SHARP EDGES .005 - .015
THREADS PER HANDBOOK H-28
DIMENSIONS ARE SHOWN AFTER PLATING

3rd ANGLE PROJ.



ANGLE:
 $\pm 1/2^\circ$

CHAMFER:
 $\pm 5^\circ$

TOLERANCE:
.X ± 0.1 "
.XX ± 0.01 "
.XXX ± 0.005 "

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FUTEK
ADVANCED SENSOR TECHNOLOGY, INC.

MODEL: QLA424	DWG No.: FO1536-0
DRAWN BY: M. LISIAK	CREATED DATE: 1/21/2021
APPROVED BY: S. VOSOUGH	APPROVED DATE: 2/4/2022
CHECKED BY:	CAGE: 1X8M6 SHEET: 1 OF 1