



IS-120

IS Series Position Sensor Tilt Switch

Features

- ◆ Operates in vertical axis
- ◆ Operate (contacts close) before -10°
- ◆ Release (contacts open) before $+10^\circ$
- ◆ Lead end of sensor downward causes switch closure

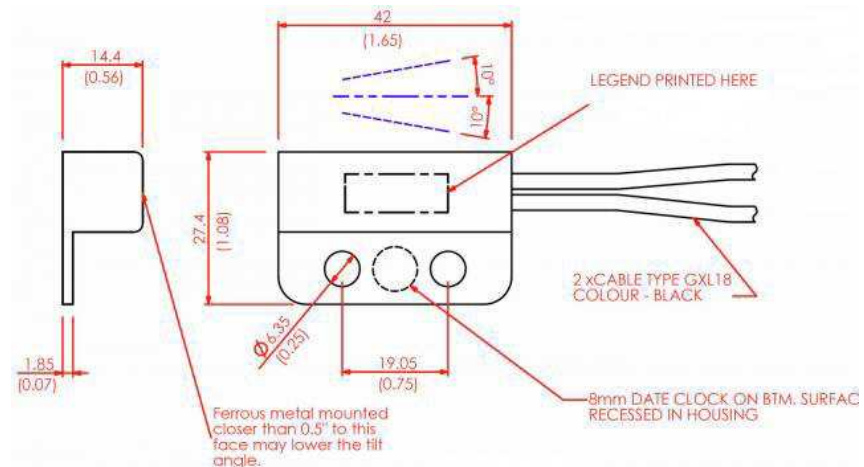
Comments

- ◆ Mercury free
- ◆ Compact design
- ◆ Reed switch reliability

Applications

- ◆ Truck bonnet position
- ◆ Robotic arm position
- ◆ Container lid position

Technical Drawing



Material

Housing Material	Nylon 6.6
Contact Material	Ruthenium
Housing Colour	Black

Mechanical Specifications

Shock	Vertical Mount, 30g for 11ms half sine
Vibration	3 planes @ 4G 5-500Hz for 3Hrs
IP	IP65

Switching

Switch Action (Reed Switch)	SPST
Max Switching Voltage VDC	48
Max Switching Current Amps	0.5
Max Switching Load Watt	10
Operate Mode	Operate <-10°, Release <+10°
Contact Form	A

Cable

Cable Length	2 x 0.5M single insulated
Connection Type	Stripped Cables
Cable Type	18GXL SAE J-1128
Cable Colour	Black/Black

Mounting

Fitment	Surface
Mounting	Vertical

NORTH AMERICA

Measurement Specialties, Inc.,
a TE Connectivity Company
Phone +1-800-522-6752
Email: customercare.hmpt@te.com

EUROPE

MEAS Deutschland GmbH(Europe)
a TE Connectivity Company
Phone: +49-800-440-5100
Email: customercare.tlse@te.com

ASIA

Measurement Specialties (China), Ltd.,
a TE Connectivity Company
Phone: +86-0400-820-6015
Email: customercare.shzn@te.com

TE.com/sensorsolutions

Measurement Specialties, Inc., a TE Connectivity company.

Accustar, American Sensor Technologies, AST, ATEXIS, DEUTSCH, IdentiCal, TruBlue, KPSI, Krystal Bond, Microfused, UltraStable, Measurement Specialties, MEAS, Schaevitz, TE Connectivity, TE, and the TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies. Other logos, product and company names mentioned herein may be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.