



## IS-120

### IS Series Position Sensor Tilt Switch

#### Features

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

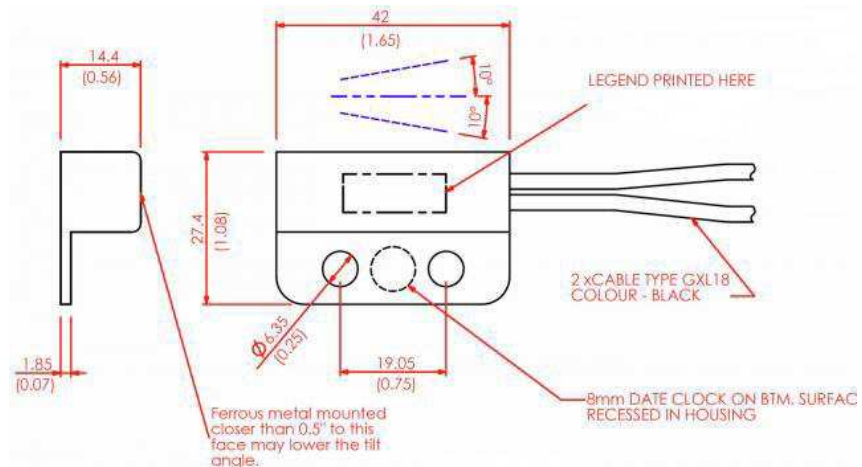
#### Comments

- Mercury free
- Compact design
- Reed switch reliability

#### Applications

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

#### Technical Drawing



**Material**

<b>Housing Material</b>	Nylon 6.6
<b>Contact Material</b>	Ruthenium
<b>Housing Colour</b>	Black

**Mechanical Specifications**

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

**Switching**

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

**Cable**

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

**Mounting**

<b>Fitment</b>	Surface
<b>Mounting</b>	Vertical