

ES-0 Series - SPDT/DPDT

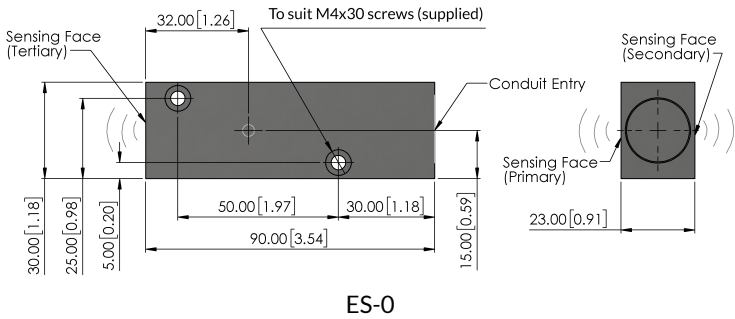
ES-0 Series Rectangular (90.00mm/3.54" x 30.00mm/1.18" x 23.00mm/0.91") proximity switch has the widest range of options in our portfolio of rectangular switches, including globally multi certified options, which makes it ideal for applications such as doors and hatches.

Features

- Sensing range <18mm (0.71") with target magnet. See table below for options.
- Volt free SPDT/SPCO (Form C) 2.5A contacts as standard.
- 60°C to +204°C / -76°F to +400°F temperature options.

Options

- Global Certification (Multi certified options available).
- Volt Free DPDT/DPCO (2 x Form C) 2.5A contacts.



Dimensions: 90.00mm x 30.00mm x 23.00mm / 3.54" x 1.18" x 0.91"

Conduit Entry: 1/2"-14 NPT

1 - Product Series	ES	2 - Certification	3 - Material
<div>ES-090.00 x 30.00 x 23.00mm1/2" NPT conduit entry</div> <div>Refer to diagram(s) above for dimensions of product variants.</div>	-	<div>Standard Approvals</div> <div>1General Industrial</div> <div>2IECEEx/ATEX/UKEx Ex ia IIC/IIIC Intrinsically Safe Zone 0 & 20 †</div> <div>3IECEEx/ATEX/UKEx Ex db/tb IIC/IIIC Explosion Proof Zones 1, 2, 21 & 22</div> <div>4UL/CSA Class I&II Div 1 Groups A-G</div> <div>5UL/CSA Class I&II Div 2 Groups A-G</div> <div>6UL/CSA Ordinary Location General Purpose</div> <div>7UL/CSA Class I,II & III Div 1 Intrinsically Safe Zone 0</div> <div>Multi Approvals</div> <div>BIECEEx/ATEX/UKEx Ex db/tb & UL/CSA Class I&II Div 1</div> <div>DGlobally Approved - Explosion Proof Includes approvals 3,4,P,R,X,Z hardwired & 3,4,P,R,V,X,Z wireable.</div> <div>Regional Approvals Explosion Proof (Ex db/tb)</div> <div>KTS Mark(Taiwan)</div> <div>XINMETRO(Brazil)</div> <div>ZEAC/TRCUEAC*</div> <div>Regional Approvals Intrinsically Safe (Ex ia)</div> <div>WINMETRO(Brazil)</div> <div>YEAC/TRCUEAC*</div> <div>* Russia, Kazakhstan, Belarus.</div> <div>† also suitable for zones 1, 2, 21 & 22.</div>	<div>Body Material</div> <div>2316L Stainless Steel</div> <div>Consult factory for alternative body material.</div>

Sensing Ranges

Magnet Part No.	Range mm (")
MA-1S	6 (0.24)
MA-2S	3 (0.12)
MA-3S	18 (0.71)
MA-4S	8 (0.31)
MA-7S	10 (0.39)

Given sensing ranges relate to primary sensing face. Secondary and Tertiary sensing faces will see a reduced sensing range.

Notes & Abbreviations

Please consult factory before quoting these items where applicable.

IS - Intrinsically Safe.

GI - General Industrial.

4 - Temperature Range	5 - Additional Options
<div>Standard Temperature</div> <div>1PVC Cable</div> <div>1LPVC Leads</div> <div>Additional cost per meter over 2m.</div> <div>-20°C to +70°C (+80°C IS & GI)</div> <div>-40°C to +100°C (Certifications 4, 5 & 6)</div> <div>Low Temperature</div> <div>2Polyolefin Cable</div> <div>Polyolefin Cable - IS certification</div> <div>Additional cost per meter over 2m.</div> <div>-60°C to +120°C (+125°C IS & GI)</div> <div>-60°C to +105°C (Certifications 4, 5 & 6)</div> <div>High Temperature</div> <div>4LPTFE/Teflon™ Leads</div> <div>Additional cost per meter over 2m.</div> <div>-40°C to +204°C</div> <div>Certification limitations apply</div> <div>5LPEEK Leads</div> <div>Additional cost per meter over 2m.</div> <div>Only available on Ex db & GI.</div> <div>-40°C to +204°C</div> <div>Certification limitations apply</div> <div>All hard wired switches are supplied with 2 meters (78") as standard.</div>	<div>Contact Arrangement</div> <div>-SPDT/SPCO (Form C) Standard</div> <div>DDPDT/DPCO (2x Form C)</div> <div>FLatching Bi-Stable</div> <div>LFCLine Fault Monitoring NAMUR (Normally Closed) Ex ia & Standard Temperature*</div> <div>LFOLine Fault Monitoring NAMUR (Normally Open) Ex ia & Standard Temperature*</div> <div>Contact Material</div> <div>-Rhodium Standard</div> <div>AUGold Flashed Contacts</div> <div>HTungsten Contacts</div> <div>Earthing/Grounding</div> <div>EEarth (Ground) wire</div> <div>Required on certifications 4, 5 & 6</div> <div>* Low Temperature & Ex db/tb version available please consult factory.</div> <div>Some options may be combined. Please consult factory.</div>

ES-	0	3	2	2	-	D	-	
Option	1	2	3	4	5	6		

6 - Connection Options
<div>Non Standard Cable/Lead Lengths</div> <div>-Standard length is 2 metres</div> <div>xxMNon standard length, specify in metres e.g. -10M</div> <div>‡ Temperature range must be 1</div> <div>Options may be combined. Please consult factory.</div>