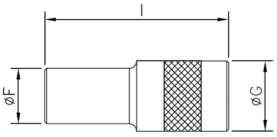
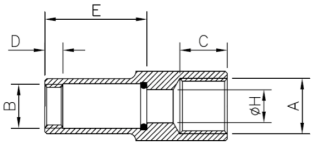
Technical Data Sheet

# Metallic Systems
# Accessories - Proximity Switch Connector




## Proximity switch connector, which provides a connection interface between field sensors and conduit fittings

### Features

- Proximity switch connector
- Degree of mechanical protection is high
- UV protection is high

| Conformity |
|---|
| N/A |

| Approvals |
|---|
| N/A |

| Fire Performance | |
|---|---|
| Test Standard | Performance Rating |
| Not Rated | Not Rated |

| Degree of Mechanical Protection |
|---|
| High |

| IP Rating | Appropriate Fitting |
|---|---|
| For use with: see below | |
| N/A | |

| UV Protection |
|---|
| Very High |

| Temperature Range |
|---|
| Static Application: -50ºC to +300ºC |
| Dynamic Application: -45ºC to +250ºC |

| For Use With - Fittings |
|---|
| All threaded fittings in the Adaptaflex range |

| Type of Material | Finish |
|---|---|
| Nickel Plated Brass | N/A |

| Testing Data |
|---|
| N/A |

| Fitting Characteristics |
|---|
| Proximity Switch Connector |

| Part No | Thread A | Thread B | Nominal Dimensions (mm) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | C | D | E | F | G | H | I |
| PSA16/M12 | M16 x 1.5 | M12 x 1.0 | 13.0 | 5.0 | 28.0 | 15.0 | 18.8 | 9.0 | 50.0 |
| PSA16/M18 | M16 x 1.5 | M18 x 1.0 | 13.0 | 5.0 | 32.0 | 21.8 | 21.8 | 16.0 | 55.0 |
| PSA16/M30 | M16 x 1.5 | M30 x 1.5 | 11.9 | 5.0 | 30.0 | 36.0 | 32.0 | 23.5 | 55.0 |

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# Metallic Systems
# Accessories - Proximity Switch Connector

## Chemical Resistance Chart

| | | | |
|---|---|---|---|
| Astm No.1 | Diesel oil | Methyl Bromide | Sulphur Dioxide (Gas) |
| Astm No.2 | Diethylamine | MEK | Sulphuric Acid (10%) |
| Astm No.3 | Ethanol | Nitric Acid (10%) | Sulphuric Acid (70%) |
| Acetic Acid (10%) | Ether | Nitric Acid (70%) | Toluene |
| Acetone | Ethylamine | Oxalic Acid | Transformer Oil |
| Aluminium Chloride | Ethylene Glycol | Ozone (Gas) | 1,1,1-Trichloroethane |
| Aniline | Ethyl Ethanoate | Paraffin oil | Trichloroethylene |
| Benzaldehyde | Freon 32 | Petrol | Turpentine |
| Benzene | Hydrochloric Acid (10%) | Phenol | Vegetable Oil |
| Carbon tetrachloride | Hydrochloric Acid (36%) | Sea Water | Vinyl Acetate |
| Chlorine water | Hydrogen Peroxide (35%) | Silver Nitrate | Water |
| Chloroform | Hydrogen Peroxide (87%) | Skydrol | White Spirit |
| Citric Acid | Lactic Acid | Sodium Chloride | Zinc Chloride |
| Copper Sulphate | Lubricating oil | Sodium Hydroxide (10%) | |
| Cresol | Methanol | Sodium Hydroxide (60%) | |

Key:

| |
|---|
| Suitable |
| Limited Suitability |
| Unsuitable |
| Not Tested |

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.
MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

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