

# rotork®

Keeping the World Flowing



## IQ Range

Plug and socket connector

Rotork's intelligent multi- and part-turn IQ electric valve actuators are renowned for their robust design. The modular Rotork plug and socket interface provides increased flexibility with a fast connect / disconnect option for IQ and IQT actuators.

The IQ plug and socket allows for quick and easy field wiring, and removal or interchange of actuators for maintenance and other operating requirements, minimising installation time in difficult and unpleasant environments.

### Features

- › Fast connect / disconnect option for IQ range
- › Ideal for quick and easy field wiring
- › Enables simple field maintenance
- › Water ingress protection to IP68 rating (20m for 10 days)
- › Dust ingress protection to IP66 rating
- › Explosionproof
- › Optional parking cover
- › For use in areas with an ambient temperature range of -20 to +70 °C

The plug and socket facilitates field wiring in advance to improve commissioning speed and efficiency. The IQ plug and socket option maintains the integrity of the actuator's double-sealed enclosure and offers IP68 watertight environmental protection (submersible in 20 m of water for 10 days) and is certified for use in hazardous areas.



Plug and socket field wiring connector removal



Optional parking cover for safe and secure storage while disconnected from actuator

### Approvals

IQ and IQT actuators with plug and socket field wiring connectors are certified to the following international approvals:

#### European - Hazardous Area

ATEX (2014/34/EU) II 2 GD c  
Ex d IIB T4 Gb  
Ex tb IIIC T120 °C Db, IP66 & IP68  
Temperature -20 to +70 °C (-4 to +158 °F)

#### International - Hazardous Area

IECEX, IEC 60079-0, IEC 60079-1  
& IEC 60079-31  
Ex d IIB T4 Gb  
Ex tb IIIC T120 °C Db, IP66 & IP68  
Temperature -20 to +70 °C (-4 to +158 °F)

#### USA - Hazardous Area

CSAus - Explosionproof to NEC Article 500  
CSAus - Dust Ignition Proof to NEC Article 500  
Class I, Division 1, Groups C & D  
Class II, Division 1, Groups E, F & G  
Temperature -20 to +70 °C (-4 to +158 °F)

#### Canada - Hazardous Area

CSA Explosionproof to C22.2 No 30  
CSA Dust Ignition Proof to  
C22.2 No 25  
Class I, Division 1, Groups C & D  
Class II, Division 1, Groups E, F & G  
Temperature -20 to +70 °C (-4 to +158 °F)

#### USA & Canada - Non-Hazardous

Enclosure Type 4 & 6  
Temperature -20 to +70 °C (-4 to +158 °F)

### Environmental Protection

#### International Non-Hazardous

Watertight, BS EN 60529  
IP66 & IP68 (20 m for 10 days)  
Temperature -20 to +70 °C (-4 to +158 °F)

Note: Always refer to actuator nameplate for unit specific approvals details.

A full listing of the Rotork sales and service network is available on our website.

[www.rotork.com](http://www.rotork.com)

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