

rotork®

Keeping the World Flowing
for Future Generations



IQ3 Pro Range Plug and socket connector

Rotork's intelligent multi- and part-turn IQ3 Pro 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 IQ3 Pro 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 (7 m for 72 hours)
- › Dust ingress protection to IP66 rating
- › Explosionproof
- › Optional parking cover
- › For use in areas with an ambient temperature range of -20 to +70 °C (-4 to +158 °F)

The plug and socket facilitates field wiring in advance to improve commissioning speed and efficiency. The IQ3 Pro plug and socket option maintains the integrity of the actuator's double-sealed enclosure and offers IP68 watertight environmental protection (submersible in 7 m of water for 72 hours) 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:

EU & UK – Hazardous Area

ATEX (2014/34/EU)
UKEX (2016 No. 1107)
Ex db h IIB T4 Gb
Ex h tb IIIC T120C Db
Temperature -20°C to +70°C (-4°F to +158°F)

International – Hazardous Area

IECEX, IEC 60079-0, IEC 60079-1, IEC 60079-31
& ISO 80079-36
Ex db h IIB T4 Gb
Ex h tb IIIC T120C Db
Temperature -20°C to +70°C (-4°F 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°C to +70°C (-4°F 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°C to +70°C (-4°F to +158°F)

USA & Canada – Non-Hazardous

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

China – Hazardous Area (CCC Ex)

2020322307001142 & 2020322307001124
GB 3836.1 – 2021, GB 3836.2 – 2021
GB 3836.3 – 2021
GB 3836.31 – 2021
Ex db IIB T4 Gb
Ex tb IIIC T120C Db
Temperature -20°C to +70°C (-4°F to +158°F)

Japan – National Standard – Explosion Proof Area

National Standard Explosionproof
JNIOSH-TR-46-1(2015)
JNIOSH-TR-46-2(2015)
Ex d IIB T4 Gb
IP66 & IP68
Temperature -20°C to +60°C (-4°F to +140°F)
Certificate Number: CSAUK 20JPN008X



India – Hazardous Area

IS/IEC-60079-0, IS/IEC-60079-1
Ex db IIB T4 Gb
Temperature -20°C to +70°C (-4°F to +158°F)

Environmental Protection

International Non-Hazardous

Watertight, BS EN 60529
IP66 & IP68 (7 m for 72 hours)
Temperature -20°C to +70°C (-4°F 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.

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rotork®

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