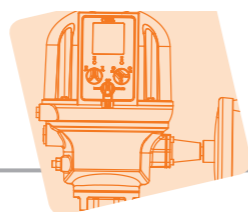


2017



New actuators:
AQ, AT & BT Ranges



New controls:
LOGIC (V2) & INTELLI+® (V3)
compatible with BC app new mobile application



New Mobile application:

The only application that allows not only to set up your actuator in a few clicks, but also to improve the reliability of your process thanks to key features and data for preventive maintenance.



The essentials

For **moderate** environment, **moderate** operational constraints, **standard** applications.

WEATHERPROOF RANGES

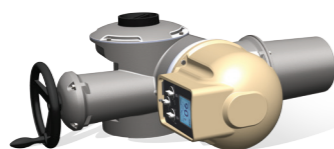
→ Quarter-turn AQ RANGE NEW

- 15 to 500 Nm (direct mount) & up to 200,000 Nm on request
- Type of Controls:
 - > Electromechanical SWITCH
 - > Integrated LOGIC (v2)
- BC Duty & Modulating Classification:
 - On-Off **A** Inching Positioning **B** Modulating **III**
- Environment: IP 68 / C3 / T: -20°C ...+60°C



→ Multi-turn AT RANGE NEW

- 30 to 500 Nm (direct) & up to 8,000 Nm on request
- 10 to 120 rpm (direct)
- Type of Controls:
 - > Electromechanical SWITCH
 - > Integrated LOGIC (v2)
- Connector:
 - > Screw Type Terminal
- BC Duty & Modulating Classification:
 - On-Off **A** Inching Positioning **B** Modulating **III**
- Environment: IP 68 / C3 / T: -20°C ...+60°C



The complete solution

For **severe** environment, **demanding** operational constraints, **critical** applications.

WEATHERPROOF RANGES

→ Quarter-turn SQ RANGE

- 45 to 10,000 Nm (up to 800 Nm direct mount) & up to 1,000,000 Nm on request
- Type of Controls:
 - > Electromechanical SWITCH
 - > Integrated INTEGRAL ⁽¹⁾
 - > Integrated INTELLI+®(v2) ⁽²⁾
- BC Duty & Modulating Classification:
 - On-Off **A+** Inching Positioning **B+** Modulating **III**
- Connector: Double-sealing with INTELLI+®
- Environment: IP 68 / C3 up to C5-M / T: -20°C ...+70°C
Low T° option -40°C / High T° option +90°C (high T° for SWITCH versions)



→ Multi-turn BT RANGE NEW

- 30 to 500 Nm (direct) & up to 8,000 Nm on request
- 10 to 120 rpm (direct) & **high speed: up to 180 rpm (direct)**
- Type of Controls:
 - > Electromechanical SWITCH
 - > Integrated LOGIC (v2)
 - > **Integrated INTELLI+®(v3)**
- Connector: Double-sealing as standard
 - > New 51-pin terminal plate
 - > **Quick Connector**
- BC Duty & Modulating Classification:
 - On-Off **A+** Inching Positioning **B+** Modulating **III+**
- Environment: IP 68 / C3 **up to C5-M** / T: -20°C ...+70°C
option low T° -40°C / option high T° +90°C (option high T° for SWITCH versions)



→ Multi-turn ST RANGE

- **60 to 2,200 Nm (direct) & up to 20,000 Nm on request**
- 10 to 120 rpm (direct) & **high speed: up to 190 rpm (direct & <300Nm)**
- Type of Controls:
 - > Electromechanical SWITCH
 - > Integrated INTEGRAL ⁽¹⁾
 - > Integrated INTELLI+® (v2) ⁽²⁾
- BC Duty & Modulating Classification:
 - On-Off **A+** Inching Positioning **B+** Modulating **III**
- Connector: Double-sealing with INTELLI+®
- Environment: IP 68 / C3 up to C5-M / T: -20°C ...+70°C
Low T° option -40°C / High T° option +90°C (high T° for SWITCH versions)



EXPLOSIONPROOF RANGES

→ Quarter-turn & Multi-turn SQX & STX RANGES

- **SQX**: 80 to 800 Nm (direct) & up to 1,000,000 Nm on request
- **STX**: 25 to 2,200 Nm (direct) & up to 20,000 Nm on request
- Compliance with international explosionproof standards: ATEX, INMETRO, IEC-Ex, EAC-Ex, NEMA 7 & 9...
- Type of Controls:
 - > Electromechanical SWITCH
 - > Integrated INTELLI+® (v2) ⁽²⁾
- BC Duty & Modulating Classification:
 - On-Off **A+** Inching Positioning **B+** Modulating **III**
- Environment: IP 68 / C3 up to C5-M / T: -20°C ...+70°C (option low T: -60°C)
- Special configurations: Corrosion protection, Fire proofing, Extreme temperatures



SPECIAL DESIGN & EXPERTISE

→ Nuclear Qualified Actuators

- SN & SQN Nuclear qualified Ranges
- Full range of other Qualified Solutions: Quarter-turn, Multi-turn and Linear for inside & outside containment applications



→ Failsafe Actuators FQ RANGE

- *Fast and shock-free reliable spring-return technology during emergency operation*
- BC Duty & Modulating Classification:
 - On-Off **A** Inching Positioning **B** Modulating **III**
- Environment: IP 67



→ Continuous Modulating Actuators: MODULATING RANGE

- *OAP, MA, MB, MAS, MBS, SQXM & STXM MODELS*
- Explosionproof versions ATEX-NEMA (SQXM/STXM)
- Type of Controls: Electromechanical SWITCH & Integrated INTELLI+® (v2)
- BC Duty & Modulating Classification:
 - Continuous **II**
 - Modulating **II**
- Environment: IP 68 / C3 up to C5-M / T: -20°C ...+60°C
option: low T° -40°C



→ Special Actuators:

- *For severe environments: Special Corrosion protection, Fire protection, Extreme temperatures*
- Hydraulic Multi-turn Actuators for LNG carriers & Offshore applications
- Customized Design & Projects: BC Strong Customer Support



CHOOSE YOUR CONTROL TYPE

SWITCH

Electromechanical non-integrated controls

LOGIC

The main functions you expect from modern integrated controls

INTELLI+®

Advanced control solution for your critical applications!

⁽¹⁾ LOGIC (V2) available later ⁽²⁾ INTELLI+® (V3) available later

