Solutions Overview



DEW RANGES OF ACTUATORS AQ, AQL, AQXL, AT & BT



FLEXIBLE

& MODULAR

NEW MOBILE APPLICATION BC APP

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. Compatible with our new controls: LOGIC (v2) & INTELLI+® (v3)



WEATHERPROOF RANGES



The essentials



Multi-turn BT RANGE

The dedicated solutions

• 30 to 500 Nm (direct) & up to 8,000 Nm on request

• Type of Controls: > Integrated INTELLI+®(v3)

Advanced BC Duty & Modulating Classification

· Wiring: Double-sealing as standard

•10 to 127 rpm (direct) & high speed: up to 180 rpm (direct)

> New terminal plate with pins for easy wiring

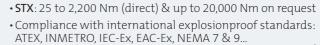
• Environment: > IP 68 / C4 (High paint protection option C5)

Modulating III+

> T: -20°C ...+60°C Low T° (Low T° option -40°C)







- Type of Controls: > Electromechanical SWITCH
 - > Hardwired
 - > Integrated INTELLI+® (v2) > SIL2
- BC Duty & Modulating Classification



Inching B+ Positioning



• Special configurations: Corrosion protection, Fire proofing, Extreme temperatures

FAILSAFE RANGES

Quarter-turn Failsafe Actuators FQ RANGE

Fast and shock-free reliable spring-return technology during emergency operation

BC Duty & Modulating Classification

Inching B Positioning

• Environment: IP67 / C3 / T: -20°C ...+70°C (low T° option -40°C)

Failsafe Actuators FOX RANGE

• Explosionproof versions ATEX-NEMA

Ouarter-turn & Linear Failsafe FSeX RANGE

The complete combination of modern electrics and power of hydraulics

• BC Duty & Modulating Classification

Inching B

Modulating III

• Environment: IP 67 / C4 / T: -20°C ...+60°C • ATEX-NEMA, SIL3

NUCLEAR RANGES

Nuclear classified Actuators

- SQN & ST & SN &SD Nuclear qualified electric actuators
- +Full range of other Oualified Solutions: Ouarter-turn, Multi-turn and Linear for inside & outside containment applications; Failsafe actuators







Quarter-turn AQL RANGE

- •15 to 70 Nm (direct mount)
- Type of Controls: > Electromechanical SWITCH

Inching B Positioning

• BC Duty & Modulating Classification

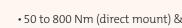


сомраст

On-Off A



Quarter-turn AQ RANGE



• Type of Controls: > Electromechanical SWITCH









> IP 68 / C4 (High paint protection option C5)

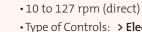
> T: -20°C ...+60°C (Low T° option -40°C)



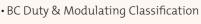
Multi-turn AT RANGE



• 30 to 500 Nm (direct) & up to 8,000 Nm on request



• Type of Controls: > Electromechanical SWITCH > Integrated LOGIC (v2)



Inching B





Modulating |||

• Environment: > IP 68 / C4 (High paint protection option C5) > T: -20°C ...+60°C (Low T° option -40°C)



EXPLOSIONPROOF RANGES

• Wiring: > Screw Type Terminal



Ouarter-turn AOXL RANGE • 40 Nm and 70 Nm

- Compliance with international explosion proof standards: ATEX, IEC-Ex,
- Type of Controls: > Electromechanical SWITCH
- BC Duty & Modulating Classification









• Environment: IP 68 / C4 (C5 on request) / T: -20°C ...+60°C

Linear applications

CUSTOMIZED DESIGN & PROJECTS:

At any time and anywhere on the globe, BERNARD CONTROLS teams are available for dedicated support. From the design stage to installation, commissioning, maintenance and training, our experts help you to define and implement the most appropriate solution to your specific needs thanks to our local R&D centers, test labs, calculation tools and training center.



SPECIAL REQUESTS

Quarter-turn SQ RANGE

- For very hight speed up to 1,000,000 Nm on request
- With type of Controls: > Integrated INTELLI+®(v2) With Fieldbus Redundant ...
- · Wiring: Double-sealing with INTELLI+



Multi-turn ST RANGE

- For Hight speed: up to 20,000 Nm on request
 - & up to 190 rpm (direct & <300Nm)
- With type of Controls: > Integrated INTELLI+®(v2) With Fieldbus Redundant > SIL2













GENERATION OF INTEGRATED CONTROLS







The main functions you expect from modern integrated controls

solution for your critical applications!





