

EXMAX 90° EX QUARTER TURN ACTUATOR - SIZE 'S'

Zones 1, 2, 21, 22

Full catalogue available on our website: www.inpratex.com

ATEX ACTUATORS

ZONES 1, 2 (gas) & 21, 22 (dust)



ExMax ATEX certified quarter turn actuators are, in acc. with type, for automation of air dampers, fire and smoke dampers, volume control, as well as for ball valves, throttle valves and other quarter turn armatures.

Up to 5 different running times adjustable on site.

Robust aluminium housing, IP66, optional in stainless steel.



EU-Type Examination Certificate

TECHNICAL SPECIFICATIONS

Marking:	II 2(2)G Ex db [ib Gb] IIC T6, T5, T4 Gb II 2(2)D Ex tb [ib Db] IIIC IP66 T80°C, T95°C, T130°C Db
Certificate:	EU-Type Examination Certificate
Torque*:	5-30 Nm
Power supply:	24-240 V AC / DC
Frequency:	50-60 HZ
Angle of rotation:	95°
Motor running time:	3,15,30,60,120 sec/90°
Spring return*:	1, 3, 10 sec/90° selectable
Control mode*:	On-off, 3-pos, 0-10 V DC, 4-20 mA
Feedback*:	0-10 V DC, 4-20 mA
Squared shaft connection:	12 x 12 mm
Ingress protection:	IP66
Operating temperature:	-40°...+40°C (T6) / -40°...+50°C (T5) / -40°...+60°C (T4)
Cable:	1 m
Dimensions:	210 x 95 x 80 mm
Weight:	Alu ca. 3,5 kg, VA ca. 7 kg
*depending on type	

Ex-d QUARTER TURN ACTUATORS WITHOUT SPRING RETURN, 24 TO 240 VAC/DC

Type:	Torque:	Running time 90°:	Control mode:	Feedback:	Item No.:
ExMax- 5.10	5 Nm / 10 Nm	3/15/30/60/120 sec.	On-off, 3-pos	-	8A0101
ExMax- 15.30	15 Nm / 30 Nm	3/15/30/60/120 sec.	On-off, 3-pos	-	8A0102
ExMax- 5.10-S	5 Nm / 10 Nm	3/15/30/60/120 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A0103
ExMax- 15.30-S	15 Nm / 30 Nm	3/15/30/60/120 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A0104
ExMax- 5.10-Y	5 Nm / 10 Nm	7,5/15/30/60/120 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	8A0105
ExMax- 15.30-Y	15 Nm / 30 Nm	7,5/15/30/60/120 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	8A0106

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Ex-d QUARTER TURN ACTUATORS WITH SPRING RETURN, 24 TO 240 VAC/DC

Type:	Torque:	Running time 90°:	Spring return:	Control mode:	Feedback:	Features:	Item No.:
ExMax-5.10-F	5 Nm/10 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	-	-	8A0201
ExMax- 15-F	15 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	-	-	8A0202
ExMax-5.10-SF	5 Nm/10 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	-	8A0203
ExMax- 15-SF	15 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	2 x aux switches(5°/85°)	-	8A0204
ExMax-5.10-YF	5 Nm/10 Nm	7,5/15/30/60/120 sec.	3 sec. / 10 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	-	8A0205
ExMax- 15-YF	15 Nm	7,5/15/30/60/120 sec.	3 sec. / 10 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	-	8A0206
ExMax-5.10-BF	5 Nm/10 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	ExPro-TT...connector	8A0207
ExMax- 15-BF	15 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	ExPro-TT...connector	8A0208

Ex-d QUARTER TURN ACTUATORS WITH SPRING RETURN FOR OFFSHORE APPLICATION, 24 TO 240 VAC/DC

Type:	Torque:	Running time 90°:	Spring return:	Control mode:	Feedback:	Features:	Item No.:
ExMax- 8-F1	8 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	-	-	8A0301
ExMax-15-F1	15 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	-	-	8A0302
ExMax- 8-SF1	8 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	-	8A0303
ExMax-15-SF1	15 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	-	8A0304
ExMax- 8-BF1	8 Nm	7,5/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	ExPro-TT...connector	8A0305
ExMax-15-BF1	15 Nm	7,5/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	ExPro-TT...connector	8A0306

ACCESSORIES

Type:	Technical specifications:
ExSwitch	External, adaptable, on site adjustable Ex-d auxiliary switch with 2 potential free contacts, adaptable to ExMax-... actuators
ExBox-3P	Ex-e terminal box connectable to ExMax-... actuators with 1 cable for On-off or 3-pos operation
ExBox-3P/SW	Ex-e terminal box connectable to ExMax-... actuators with 1 cable for On-off or 3-pos operation + 2 cable for external aux. switches type ExSwitch
ExBox-Y/S	Ex-e terminal box connectable to ExMax-... actuators with 2 cable, for modulating operation or 3-pos + integrated switches (HS)
ExBox-Y/S/SW	Ex-e terminal box connectable to ExMax-... actuators with 2 cable, for modulating or 3-pos operation with feedback signal + 2 cable for external aux. switches
ExBox-BF	Ex-e terminal box connectable to ExMax-... actuators with 1 cable, for all ExMax-...-BF
ExBox-BF/SW	Ex-e terminal box connectable to ExMax-... actuators with 1 cable, for all ExMax-...-BF + 2 cable for external aux. switches type ExSwitch
MKK-S	Mounting bracket for ...Box-terminal boxes for direct coupling to ...Max... actuators size S
KB-S	Mounting bracket for round damper shaft ø 10 to 20 mm and square shafts 10 to 16 mm, incl. bracket, connectable to all RedMax-... size S
HV-SKU, HV-SLU	Manual override, connectable to actuators size S. HV-SKU = short version, HV-SLU = long version for add. mounting of ..Box/..Switch
AR-12-xx	Squared reduction part from 12x12 mm to shafts with 11 mm (type AR-12-10), 8 mm (type AR-12-08)
ExPro-TT-...	Safety temperature trigger for fire dampers, switching at 71°/72°C, with 1 m cable, suitable only for ExMax-/RedMax-...-BF actuators!
EXC-DS1/VA	Safety temperature sensor for duct mounting, potential free contact, switching at 70°C...160°C (10°C steps)
DWB-S	Angle rotation limiter for mounting on actuator size S (details on request)
Retrofit-Kit-S	Mechanical adaptation for mounting on ..Max actuators size S, required to replace a previous type EXT15...-F1, EXT12...-F16, EXT15.. or EXT30..
ADS	Different adaptations for different valves available. Please don't hesitate to ask for technical solution.