

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

Zones 2, 22

SENSORS.NL

ATEX ACTUATORS

ZONES 2 (gas) & 22 (dust)



RedMax 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 3(3)G Ex db [ic Gc] IIC T6,T5,T4 Gc  II 3(3)D Ex tc [ic Dc] IIIC T80°C,T95°C,T130°C Dc
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:	Article No.:
RedMax- 5.10	5 Nm / 10 Nm	3/15/30/60/120 sec.	On-off, 3-pos	-	8A0701
RedMax- 15.30	15 Nm / 30 Nm	3/15/30/60/120 sec.	On-off, 3-pos	-	8A0702
RedMax- 5.10-S	5 Nm / 10 Nm	3/15/30/60/120 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A0703
RedMax- 15.30-S	15 Nm / 30 Nm	3/15/30/60/120 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A0704
RedMax- 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	8A0705
RedMax- 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	8A0706

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

Zones 2, 22

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ACTUATORS

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

Type:	Torque:	Running time 90°:	Spring return:	Control mode:	Feedback:	Features:	Article No.:
RedMax-5.10-F	5 Nm/10 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	-	-	8A0801
RedMax- 15-F	15 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	-	-	8A0802
RedMax-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°)	-	8A0803
RedMax- 15-SF	15 Nm	3/15/30/60/120 sec.	3 sec. / 10 sec.	On-off, 3-pos	2 x aux switches(5°/85°)	-	8A0804
RedMax-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	-	8A0805
RedMax- 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	-	8A0806
RedMax-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	8A0807
RedMax- 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	8A0808

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:	Article No.:
RedMax- 8-F1	8 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	-	-	8A0901
RedMax-15-F1	15 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	-	-	8A0902
RedMax- 8-SF1	8 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	-	8A0903
RedMax-15-SF1	15 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	-	8A0904
RedMax- 8-BF1	8 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	ExPro-TT-..connector	8A0905
RedMax-15-BF1	15 Nm	3/15/30/60/120 sec.	≤ 1 sec.	On-off	2 x aux switches (5°/85°)	ExPro-TT-..connector	8A0906

ACCESSORIES

Type:	Technical specifications:
RedSwitch	External, adaptable, on site adjustable auxiliary switch with 2 potential free contact, adaptable to RedMax-... actuators
RedBox-3P	Ex-e terminal box connectable to RedMax-... actuators with 1 cable for On-off or 3-pos operation
RedBox-3P/SW	Ex-e terminal box connectable to RedMax-... actuators with 1 cable for On-off or 3-pos operation + 2 cable for external aux. switches type RedSwitch
RedBox-Y/S	Ex-e terminal box connectable to RedMax-... actuators with 2 cable, for modulating operation or 3-pos + integrated switches (HS)
RedBox-Y/S/SW	Ex-e terminal box connectable to RedMax-... actuators with 2 cable, for modulating or 3-pos operating with feedback signal + 2 cable for external aux. switches
RedBox-BF	Ex-e terminal box connectable to RedMax-... actuators with 1 cable, for all RedMax-...-BF
RedBox-BF/SW	Ex-e terminal box connectable to RedMax-... actuators with 1 cable, for all RedMax-...-BF + 2 cable for external aux. switches type RedSwitch
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
KB-A	Shaft connection for damper shafts ø 1/2", adaptable for all North American ..Max-.. actuators 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 12 x 12 mm to shafts with 11 mm (type AR-12-11), 10 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.