

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

Zones 2, 22

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

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*:	30-150 Nm
Power supply:	24-240 V AC / DC
Frequency:	50-60 HZ
Angle of rotation:	95°
Motor running time:	40,60,90,120,150 sec/90°
Spring return*:	3, 20 sec/90°
Control mode*:	On-off, 3-pos, 0-10 V DC, 4-20 mA
Feedback*:	0-10 V DC, 4-20 mA
Squared shaft connection:	16 x 16 mm
Ingress protection:	IP66
Operating temperature:	-40°...+40°C (T6) / -40°...+50°C (T5) / -40°...+60°C (T4)
Cable:	1 m
Dimensions:	288 x 149 x 116 mm
Weight:	Alu ca. 9,5 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.:
RedMax- 50.75	50 Nm / 75 Nm	40/60/90/120/150 sec.	On-off, 3-pos	-	8A1001
RedMax- 100	100 Nm	40/60/90/120/150 sec.	On-off, 3-pos	-	8A1002
RedMax- 150	150 Nm	40/60/90/120 sec.	On-off, 3-pos	-	8A1003
RedMax-50.75-S	50 Nm / 75 Nm	40/60/90/120/150 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A1004
RedMax- 100-S	100 Nm	40/60/90/120/150 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A1005
RedMax- 150-S	150 Nm	40/60/90/120 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	8A1006
RedMax-50.75-Y	50 Nm / 75 Nm	40/60/90/120/150 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	8A1007
RedMax- 100-Y	100 Nm	40/60/90/120/150 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	8A1008

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

Zones 2, 22

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

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.:
RedMax-30-F	30 Nm	40/60/90/120/150 sec.	20 sec.	On-off, 3-pos	-	-	8A1101
RedMax-50-F	50 Nm	40/60/90/120/150 sec.	20 sec.	On-off, 3-pos	-	-	8A1102
RedMax-60-F	60 Nm	40/60/90/120 sec.	20 sec.	On-off, 3-pos	-	-	8A1103
RedMax-30-SF	30 Nm	40/60/90/120/150 sec.	20 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	-	8A1104
RedMax-50-SF	50 Nm	40/60/90/120/150 sec.	20 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	-	8A1105
RedMax-60-SF	60 Nm	40/60/90/120 sec.	20 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	-	8A1106
RedMax-30-YF	30 Nm	40/60/90/120/150 sec.	20 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	-	8A1107
RedMax-50-YF	50 Nm	40/60/90/120/150 sec.	20 sec.	3-pos 0...10 VDC, 4...20 mA	0...10 VDC, 4...20 mA	-	8A1108
RedMax-30-BF	30 Nm	40/60/90/120/150 sec.	20 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	ExPro-TT-...connector	8A1109
RedMax-50-BF	50 Nm	40/60/90/120/150 sec.	20 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	ExPro-TT-...connector	8A1110
RedMax-60-BF	60 nM	40/60/90/120 sec.	20 sec.	On-off, 3-pos	2 x aux switches (5°/85°)	ExPro-TT-...connector	8A1111

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.:
RedMax-30-F3	30 Nm	40/60/90/120/150 sec.	≤ 3 sec.	On-off	-	-	8A1201
RedMax-50-F3	50 Nm	40/60/90/120/150 sec.	≤ 3 sec.	On-off	-	-	8A1202
RedMax-30-SF3	30 Nm	40/60/90/120/150 sec.	≤ 3 sec.	On-off	2 x aux switches (5°/85°)	-	8A1203
RedMax-50-SF3	50 Nm	40/60/90/120/150 sec.	≤ 3 sec.	On-off	2 x aux switches (5°/85°)	-	8A1204
RedMax-30-BF3	30 Nm	40/60/90/120/150 sec.	≤ 3 sec.	On-off	2 x aux switches (5°/85°)	ExPro-TT-...connector	8A1205
RedMax-50-BF3	50 Nm	40/60/90/120/150 sec.	≤ 3 sec.	On-off	2 x aux switches (5°/85°)	ExPro-TT-...connector	8A1206

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-M	Mounting bracket for ...Box-terminal boxes for direct coupling to ...Max... actuators size M
HV-MU	Manual override, connectable to actuators size M
AR-16-xx	Squared reduction part from 16 x 16 mm to shafts with 14 mm (yype AR-16-14), 12 mm (type AR-16-12)
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-M	Angle rotation limiter for mounting on actuator size M
Retrofit-Kit-M	Mechanical adaptation for mounting on ..Max actuators size M, required to replace a previous type EXT30...-F3, EXT50...-F3 or EXT50..
ADM	Different adaptations for different valves available. Please don't hesitate to ask for technical solution.