



### Description

- Natural extruded aluminium frame th. 1,5 mm, depth 120 mm, 30 mm non-perforated flanges
- Wing blades in natural extruded aluminium th. 1.1 mm, pitch 100 mm
- External control linkages in galvanised steel
- Side seal with AISI 301 stainless steel blades
- Elastomer sealing gasket on the blades
- Drive shaft Ø 12 mm L = 100 mm
- Nylon bearings, temp. -20°C / +70°C
- Leakage class 2 EN 1751

### Available execution (see page 11)

- Intermediate dimensions (larger sizes price list +€52)
- ATEX execution: II 2G Ex h IIB/IIC T1...T6Gb
- II 2D Ex h IIIC T 450°C...T 85°C Db (list price +40% +€120 each)

### Accessories (see page 10)

- Galvanised manual drives (R11 up to 1 sqm €15) - (R12 over €21)
- Electric actuators/ Pneumatic cylinder
- Atex actuators (see page 12)

### Description

- Natural extruded aluminium frame th. 2 mm, depth 170 mm, 40 mm flanges with Ø 8 mm holes in the middle, pitch 300 mm
- Wing blades in natural extruded aluminium th. 1.5 mm, pitch 150 mm
- External control linkages in galvanised steel
- Side seal with AISI 301 stainless steel blades
- Elastomer sealing gasket on the blades
- Drive shaft Ø 12 mm L = 100 mm
- Nylon bearings, temp. -20°C / +70°C
- Leakage class 2 EN 1751

### Available execution (see page 11)

- Intermediate dimensions (larger sizes price list +€52)
- Vertical operation (list price +10%)
- Drive shaft with special length (list price +€24)
- ATEX execution: II 2G Ex h IIB/IIC T1...T6Gb
- II 2D Ex h IIIC T 450°C...T 85°C Db (list price +40% +€120 each)

### Accessories (see page 10)

- Galvanised manual drives (R11 up to 1 sqm €15) - (R12 over €21)
- Electric actuators/ Pneumatic cylinder
- Atex actuators (see page 12)

## ZONE 1 Spring return 24-230V

	Zone 1		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 3 points, 2 micro switches	EX MAX 5.10 - SF	5-10	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	EX MAX 15 - SF	15	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	EX MAX 30 - SF	30	40/60/90/120/150	20
ON-OFF, 3 points, 2 micro switches	EX MAX 50 - SF	50	40/60/90/120/150	20

## Modulating spring return 24-230V

	Zone 1		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
3 POINTS, 0...10 Volt 4...20 m	EX MAX 5.10 - YF	5-10	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	EX MAX 15 - YF	15	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	EX MAX 30 - YF	30	40/60/90/120/150	20
3 POINTS, 0...10 Volt 4...20 m	EX MAX 50 - YF	50	40/60/90/120/150	20

## Spring return 24-230V - Offshore - Closure in 1 second

	Zone 1		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 2 micro switches	EX MAX 8 - SF1	8	3/15/30/60/120	1
ON-OFF, 2 micro switches	EX MAX 15 - SF1	15	3/15/30/60/120	1

## Spring return 24-230V - Offshore - Closure in 3 seconds

	Zone 1		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 2 micro switches	EX MAX 30 - SF3	30	40/60/90/120/150	3
ON-OFF, 2 micro switches	EX MAX 50 - SF3	50	40/60/90/120/150	3

Actuators assembled, square drive shaft and FAT

## ZONE 2 Spring return 24-230V

	Zone 2		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 3 points, 2 micro switches	RED MAX 5.10 - SF	5-10	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	RED MAX 15 - SF	15	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	RED MAX 30 - SF	30	40/60/90/120/150	20
ON-OFF, 3 points, 2 micro switches	RED MAX 50 - SF	50	40/60/90/120/150	20

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	Zone 2		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
3 POINTS, 0...10 Volt 4...20 m	RED MAX 5.10 - YF	5-10	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	RED MAX 15 - YF	15	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	RED MAX 30 - YF	30	40/60/90/120/150	20
3 POINTS, 0...10 Volt 4...20 m	RED MAX 50 - YF	50	40/60/90/120/150	20

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	Zone 2		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 2 micro switches	RED MAX 8 - SF1	8	3/15/30/60/120	1
ON-OFF, 2 micro switches	RED MAX 15 - SF1	15	3/15/30/60/120	1

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	Zone 2		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 2 micro switches	RED MAX 30 - SF3	30	40/60/90/120/150	3
ON-OFF, 2 micro switches	RED MAX 50 - SF3	50	40/60/90/120/150	3

Air flow control

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	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 3 points, 2 micro switches	EX MAX 5.10 - SF	5-10	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	EX MAX 15 - SF	15	3/15/30/60/120	3 - 10
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ON-OFF, 3 points, 2 micro switches	EX MAX 50 - SF	50	40/60/90/120/150	20

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	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
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3 POINTS, 0...10 Volt 4...20 m	EX MAX 30 - YF	30	40/60/90/120/150	20
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	Zone 1		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
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ON-OFF, 2 micro switches	EX MAX 50 - SF3	50	40/60/90/120/150	3

Actuators assembled, square drive shaft and FAT

## ZONE 2 Spring return 24-230V

	Zone 2		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
ON-OFF, 3 points, 2 micro switches	RED MAX 5.10 - SF	5-10	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	RED MAX 15 - SF	15	3/15/30/60/120	3 - 10
ON-OFF, 3 points, 2 micro switches	RED MAX 30 - SF	30	40/60/90/120/150	20
ON-OFF, 3 points, 2 micro switches	RED MAX 50 - SF	50	40/60/90/120/150	20

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	Zone 2		Opening	Closing
	Model	Torque (Nm)	Motor running time (seconds)	Spring return (seconds)
3 POINTS, 0...10 Volt 4...20 m	RED MAX 5.10 - YF	5-10	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	RED MAX 15 - YF	15	7.5/15/30/60/120	3 - 10
3 POINTS, 0...10 Volt 4...20 m	RED MAX 30 - YF	30	40/60/90/120/150	20
3 POINTS, 0...10 Volt 4...20 m	RED MAX 50 - YF	50	40/60/90/120/150	20

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