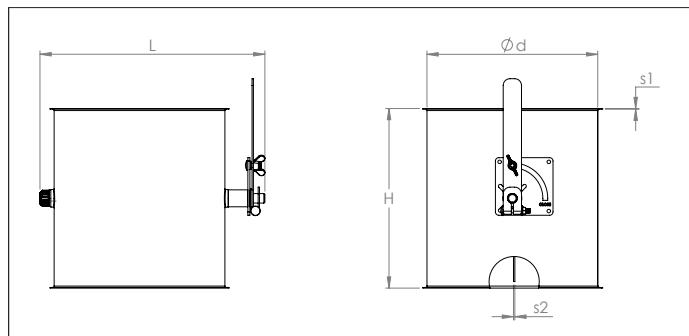


AADJ manual throttle valves



AADJ manual throttle valves

Longitudinally stitch-welded throttle valves with a material thickness of 1 mm with an inner plate with a material thickness of 3 mm.

The throttle valves have a regulating handle with star-knob to secure the valve in a fixed position.

Axle seals are used along the axle ends for better airtightness.

Material

Sendzimir galvanized

Type

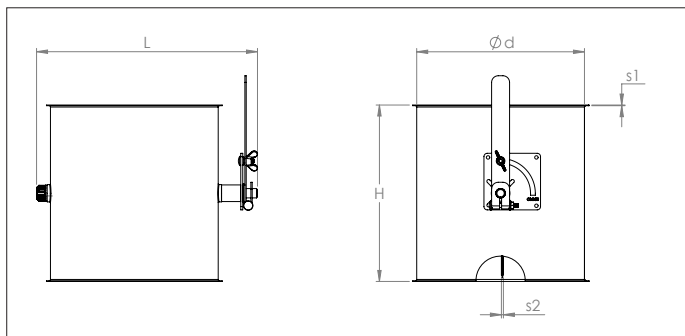
Rolled sheets, stitch-welded, with 6 mm edges for lock rings.
Provided with regulating handle with star-knob.

Options

- Other diameters
- Other sheet thickness
- Other types of edges or connections,
see Tab 14 'edges and connections'

Ø	Code	L mm	H mm	S1 mm	S2 mm	Weight kg
80	AADJ000001	162	125	0.88	3.00	0.81
100	AADJ000002	182	125	0.88	3.00	0.93
120	AADJ000003	202	135	0.88	3.00	1.10
125	AADJ000040	207	135	0.88	3.00	1.14
140	AADJ000004	222	170	0.88	3.00	1.37
150	AADJ000005	232	170	0.88	3.00	1.46
160	AADJ000006	242	170	0.88	3.00	1.56
180	AADJ000007	262	210	0.88	3.00	1.92
200	AADJ000008	282	210	0.88	3.00	2.16
225	AADJ000009	307	240	0.88	3.00	2.63
250	AADJ000010	332	265	0.88	3.00	3.12
275	AADJ000011	357	290	0.88	3.00	3.67
280	AADJ000041	362	295	0.88	3.00	3.76
300	AADJ000012	382	315	0.88	3.00	4.27
315	AADJ000013	397	330	0.88	3.00	4.65
350	AADJ000014	432	365	0.88	3.00	5.62
400	AADJ000015	482	415	0.88	3.00	7.18
450	AADJ000016	532	415	0.88	3.00	8.44
500	AADJ000017	582	415	0.88	3.00	9.80
550	AADJ000018	632	415	0.88	3.00	11.25
600	AADJ000019	682	415	0.88	3.00	12.80
630	AADJ000020	712	415	0.88	3.00	13.77
650	AADJ000021	732	415	0.88	3.00	14.44
700	AADJ000042	782	415	0.88	3.00	16.18
750	AADJ000043	832	415	0.88	3.00	18.00
800	AADJ000044	882	415	0.88	3.00	19.93

AADJ manual throttle valves with seal



AADJ manual throttle valves with seal

Longitudinally stitch-welded throttle valves with a material thickness of 1 mm with an inner plate with a material thickness of 3 mm.

The throttle valves have a regulating handle with star-knob to secure the valve in a fixed position.

Axle seals are used and a natural rubber seal is applied to the valve blade for better airtightness.

Material

Sendzimir galvanized and EPDM blade seal.

Type

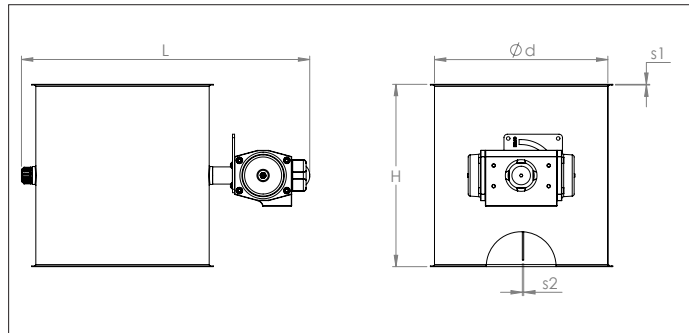
Rolled sheets, stitch-welded, with 6 mm edges for lock rings. Provided with regulating handle with star-knob.

Options

- Other diameters
- Other sheet thickness
- Other valve seals, for example silicone, NBR, etc.
- Other types of edges or connections, see Tab 14 'edges and connections'

Ø	Code	L mm	H mm	S1 mm	S2 mm	Weight kg
80	AADJ000025	162	125	0.88	2 x 1.00 + seal	0,78
100	AADJ000026	182	125	0.88	2 x 1.00 + seal	0,88
120	AADJ000027	202	135	0.88	2 x 1.00 + seal	1,03
125	AADJ000046	207	135	0.88	2 x 1.00 + seal	1,06
140	AADJ000028	222	170	0.88	2 x 1.00 + seal	1,26
150	AADJ000029	232	170	0.88	2 x 1.00 + seal	1,34
160	AADJ000030	242	170	0.88	2 x 1.00 + seal	1,42
180	AADJ000031	262	210	0.88	2 x 1.00 + seal	1,74
200	AADJ000032	282	210	0.88	2 x 1.00 + seal	1,94
225	AADJ000033	307	240	0.88	2 x 1.00 + seal	2,34
250	AADJ000034	332	265	0.88	2 x 1.00 + seal	2,77
275	AADJ000035	357	290	0.88	2 x 1.00 + seal	3,24
280	AADJ000045	362	295	0.88	2 x 1.00 + seal	3,30
300	AADJ000036	382	315	0.88	2 x 1.00 + seal	3,75
315	AADJ000037	397	330	0.88	2 x 1.00 + seal	4,08
350	AADJ000038	432	365	0.88	2 x 1.00 + seal	4,90
400	AADJ000039	482	415	0.88	2 x 1.00 + seal	6,23

AADK Pneumatic throttle valves with seal



AADK Pneumatic throttle valves with seal

Longitudinally stitch-welded throttle valves with a material thickness of 1 mm with an inner plate with a material thickness of 3 mm.

The valves are provided with a pneumatic rotating cylinder which opens or closes the valve.

Axle seals are used and a natural rubber seal is applied to the valve blade for better airtightness.

! Max. air pressure in solenoid valve : 8 Bar
Use only oil free dry air

! Please state the voltage when ordering:
24 V AC, 24 V DC, 220 V AC.

Material

Senzimir galvanized and EPDM blade seal.

Type

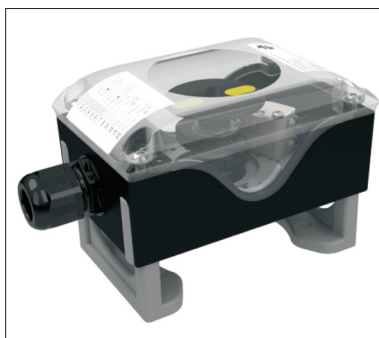
Rolled sheets, stitch-welded, with 6 mm edges for lock rings.
Provided with pneumatic cylinder and solenoid valve.

Options

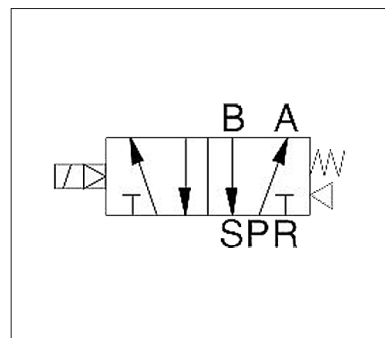
- Execution without seal
- Other diameters
- Other sheet thickness
- Other valve seals, for example silicone, NBR, etc.
- Other types of actuator (ATEX)
- Position indicator
- Other types of edges or connections, see Tab 14 'edges and connections'



Visual indicator mounted on axle to indicate throttle valve position



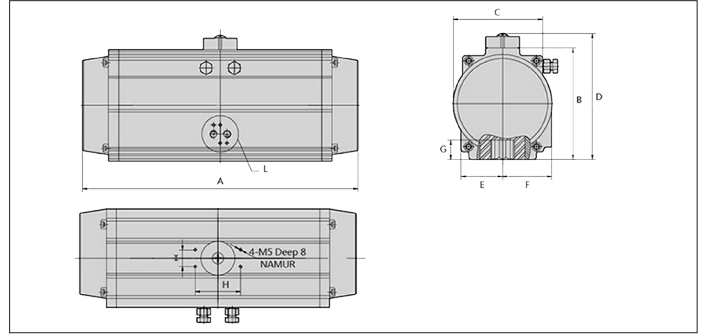
Optional position detector



Wiring diagram of NAMUR solenoid valve

Ø	Code			L	H	S1	S2	Weight
	220V AC	24V AC	24V DC	mm	mm	mm	mm	kg
80	AADK000103	AADK000073	AADK000088	250	125	0.88	2 x 1.00 + seal	2,35
100	AADK000104	AADK000074	AADK000089	270	125	0.88	2 x 1.00 + seal	2,45
120	AADK000105	AADK000075	AADK000090	290	135	0.88	2 x 1.00 + seal	2,60
125	AADK000137	AADK000121	AADK000135	295	135	0.88	2 x 1.00 + seal	2,62
140	AADK000106	AADK000076	AADK000091	310	170	0.88	2 x 1.00 + seal	2,83
150	AADK000107	AADK000077	AADK000092	320	170	0.88	2 x 1.00 + seal	2,91
160	AADK000108	AADK000078	AADK000093	330	170	0.88	2 x 1.00 + seal	2,99
180	AADK000109	AADK000079	AADK000094	350	210	0.88	2 x 1.00 + seal	3,31
200	AADK000110	AADK000080	AADK000095	370	210	0.88	2 x 1.00 + seal	3,51
225	AADK000111	AADK000081	AADK000096	395	240	0.88	2 x 1.00 + seal	3,91
250	AADK000112	AADK000082	AADK000097	420	265	0.88	2 x 1.00 + seal	4,34
275	AADK000113	AADK000083	AADK000098	445	290	0.88	2 x 1.00 + seal	4,81
280	AADK000138	AADK000127	AADK000136	450	295	0.88	2 x 1.00 + seal	4,85
300	AADK000114	AADK000084	AADK000099	470	315	0.88	2 x 1.00 + seal	5,32
315	AADK000115	AADK000085	AADK000100	485	330	0.88	2 x 1.00 + seal	5,65
350	AADK000116	AADK000086	AADK000101	520	365	0.88	2 x 1.00 + seal	6,47
400	AADK000117	AADK000087	AADK000102	570	415	0.88	2 x 1.00 + seal	7,80

PCK Pneumatic actuator for AADK pneumatic throttle valves



PCK Pneumatic actuator for AADK pneumatic throttle valves

Double acting pneumatic actuator controlled by NAMUR valve mounted directly on the actuator which sends compressed air to the unit.

The AP2 (PCK000002) model is mounted on throttle valves up to size Ø400, and the AP3 (PCK000003) is mounted on throttle valves sizes Ø450 up to Ø800.

A visual rotation indicator is mounted on the top of the unit, but it can be replaced with an electric rotation indicator/detector (ADTPR-P)

Options

- Other sizes
- Low or high temperature executions (-40°C up to +150°C)
- Multi-travel rotation (120°, 135°, 180°) and three position actuators
- ATEX models

Material

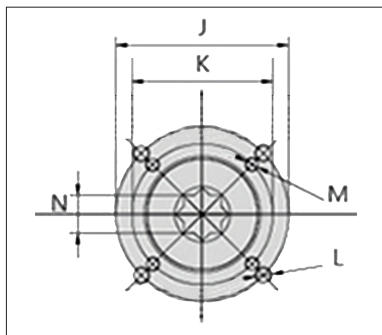
Aluminum alloy body and die-cast aluminum pistons and end caps
Steel alloy nickel plated drive shaft
Polyamide visual rotation indicator

Type

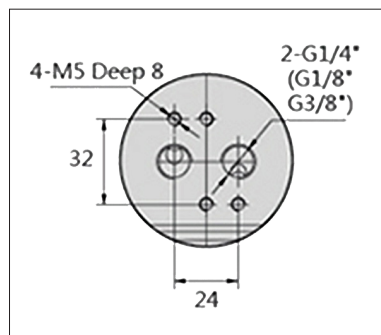
- Connection types : ISO 5211, DIN 3337, VD/VDE 3845 & NAMUR
- Adjustments : +/- 5° open or close
- Compressed air connections : G1/4"
- Max. air pressure : 8 Bar
- Torque : 8 to 58 Nm depending on air pressure
- Air consumption (open/close) :
AP2 - 0.09/0.12 L
AP3 - 0.14/0.20 L
- Working temperature : -5°C up to +80°C
- Lubricant : none required

❗ Max. air pressure in pneumatic cylinder : 8 Bar

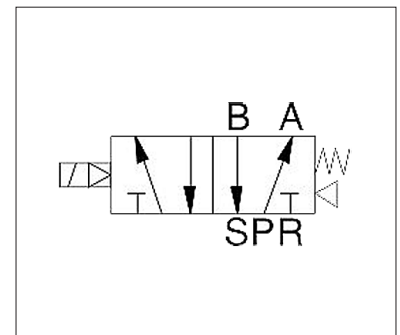
❗ Use only oil free dry air



Connection measurements to axle



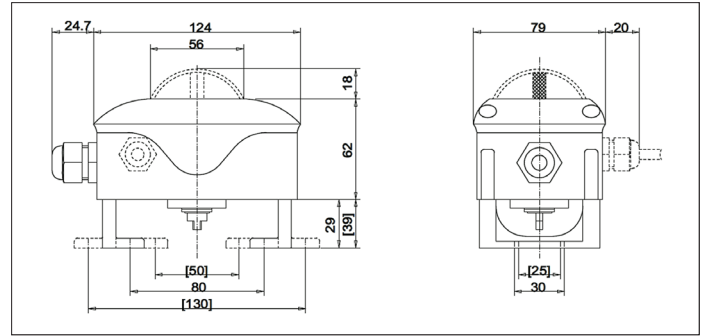
Connection measurements to NAMUR solenoid valve



Wiring diagram of NAMUR solenoid valve

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	Air Ø	Weight kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
AP2	163.5	72	65	98	26	42	24	80	30	F05	F03	M6x9	M5x8	11	G1/4"	1.70
AP3	181	87.6	71	113	33	47	18	80	30	F07	F05	M8x10	M6x9	14	G1/4"	2.40

PCG Position detector for AADK pneumatic throttle valves



PCG Position detector for AADK pneumatic throttle valves

Compact and flexible limit switch box made of polyamide for simple assembly on pneumatic actuator of the throttle valves or diverters VDI/VDE 3845 in non-ATEX environment.

Simply remove the existing visual position indicator of the actuator and mount this unit in its place.

Options

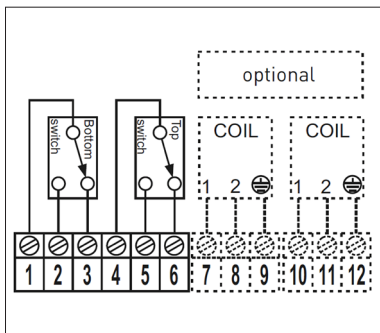
- 3D or 3D1 indicator
- F05 interface in the bottom
- Other colours of casing
- ATEX models

Material

Polyamide exterior box (PA6) with flat polycarbonate cover (PC)
Adjustable polyamide mounting bracket (PA6) reinforced with 30% fiber glass
Sealings EPDM and NBR, Screws AISI 304
Shaft polyamide PA6

Type

- Voltage : 24 - 250 V
- Max. current : 250V AC - 10A, 24V DC - 0.1A
- Working temperature : -25°C up to +80°C
- Enclosure : IP67 according to DIN EN 60529
- SIL level : SIL1-3 (IEC 61508:2010)
- Approvals : UL available on request
- Hole spacings : 80x30mm and 130x30mm
- Shaft heights : 20 & 30mm (no F05 interface as standard in the bottom)
- Cable gland M20 x 1,5 black (for cable Ø 6-12mm)



Wiring diagram of position detector



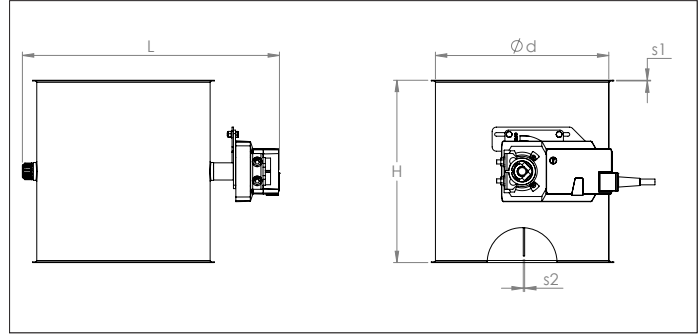
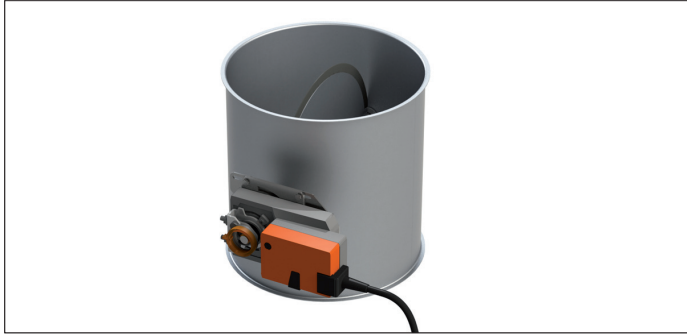
IP67 casing with cable gland



Visual position indicator on top of unit

Model	Code	Weight kg
ADTPR-P	PCG000095	0.48

AADL Electric throttle valves with seal



ADTER Electric throttle valves with seal

Longitudinally stitch-welded throttle valves with a material thickness of 1 mm with an inner plate with a material thickness of 3 mm.

The valves are provided with an electric rotating actuator which opens or closes the valve.

Axle seals are used and a natural rubber seal is applied to the valve blade for better airtightness.

Material

Senzimir galvanized and EPDM blade seal.

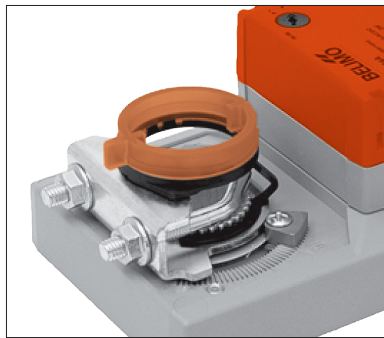
Type

Rolled sheets, stitch-welded, with 6 mm edges for lock rings. Provided with electric actuator and integrated visual indicator.

Options

- Other diameters
- Other sheet thickness
- Other valve seals, for example silicone, NBR, etc.
- Other types of electric motor (ATEX)
- Position indicator S2-A
- Other types of edges or connections, see Tab 14 'edges and connections'

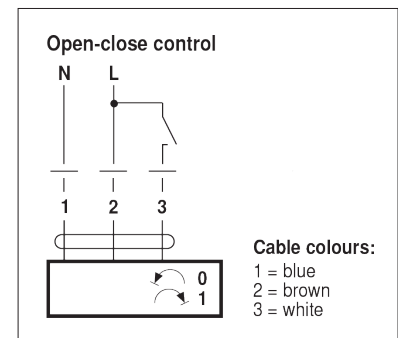
! Please state the voltage when ordering:
24 V AC, 24 V DC, 220 V AC.



Visual indicator mounted on axle to indicate throttle valve position



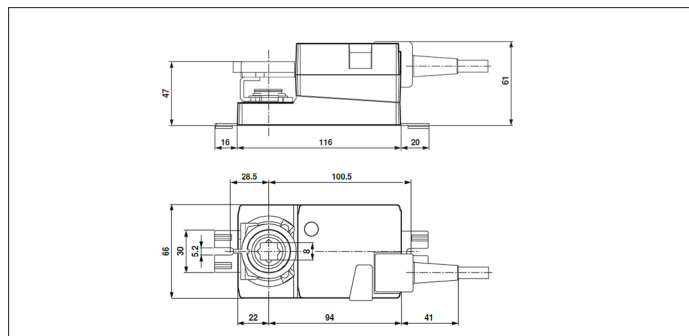
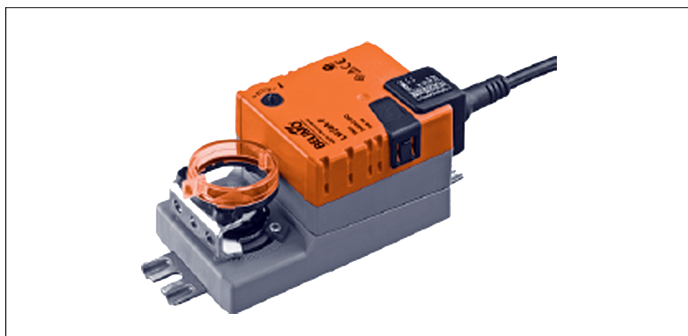
Optional S2-A position detector



Wiring diagram of electric actuator

Ø	Code		L mm	H mm	S1 mm	S2 mm	Open/close sec.	Weight kg
	220V AC	24V AC/DC						
80	AADL000064	AADL000049	201	125	0.88	2 x 1.00 + seal	35	1,45
100	AADL000065	AADL000050	221	125	0.88	2 x 1.00 + seal	35	1,55
120	AADL000066	AADL000051	241	135	0.88	2 x 1.00 + seal	35	1,70
125	AADL000089	AADL000081	246	135	0.88	2 x 1.00 + seal	35	1,73
140	AADL000067	AADL000052	261	170	0.88	2 x 1.00 + seal	35	1,93
150	AADL000068	AADL000053	271	170	0.88	2 x 1.00 + seal	35	2,01
160	AADL000069	AADL000054	281	170	0.88	2 x 1.00 + seal	35	2,09
180	AADL000070	AADL000055	304	210	0.88	2 x 1.00 + seal	150	2,61
200	AADL000071	AADL000056	324	210	0.88	2 x 1.00 + seal	150	2,81
225	AADL000072	AADL000057	349	240	0.88	2 x 1.00 + seal	150	3,21
250	AADL000073	AADL000058	374	265	0.88	2 x 1.00 + seal	150	3,64
275	AADL000074	AADL000059	399	290	0.88	2 x 1.00 + seal	150	4,11
280	AADL000091	AADL000085	404	295	0.88	2 x 1.00 + seal	150	4,17
300	AADL000075	AADL000060	424	315	0.88	2 x 1.00 + seal	150	4,62
315	AADL000076	AADL000061	439	330	0.88	2 x 1.00 + seal	150	4,95
350	AADL000077	AADL000062	474	365	0.88	2 x 1.00 + seal	150	5,77
400	AADL000078	AADL000063	524	415	0.88	2 x 1.00 + seal	150	7,10

PCG Electric actuator LMC for AADL electric throttle valves



PCG Electric actuator LMC for AADL electric throttle valves

Actuator for operating throttle valves and such in ventilation, dust extraction and air-conditioning systems for building services and industrial installations.

Simple direct mounting on the damper spindle by form-fit. The actuator, with its hollow shaft, is placed over the 8 mm square spindle of the throttle valve and secured by two screws.

Manual override with push-button possible (the gear is disengaged for as long as the button is pressed or remains locked).

Mounted on throttle valves Ø80 up to Ø160, they have an adjustable angle of rotation with mechanical end stops. The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached.

Material

Prewired plastic body on metal base with metal mechanism

Type

Nominal voltage : 24V AC/DC or 220V AC - 50/60 Hz

Power consumption : 1.5 W - 3VA

Cable type : 1m, 3 x 0.75 mm²

Torque : 5 Nm

Angle rotation : max. 95° adjustable

Speed : 35 sec. / 90°

Sound level : 45 dB(A)

Protection class : NEMA 2, UL enclosure type 2

EMC : 2004/108/EC Directive

Certification : cULus according to UL 60730-21A and UL 60730-2-214 and CAN/CSA E60730-21:02, IEC/EN 60730-21 and IEC/EN 60730-2-214

Protection level : IP 54

Temperature range : -30°C up to +50°C

Ambient humidity : 95% non-condensating

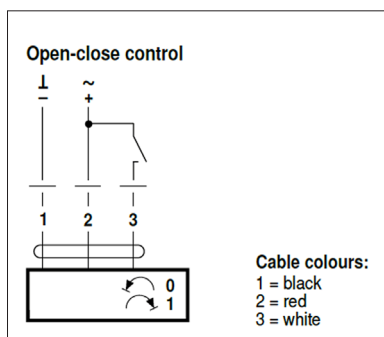
Maintenance : maintenance free

Axle requirements : L = ≥20, 8mm square axle

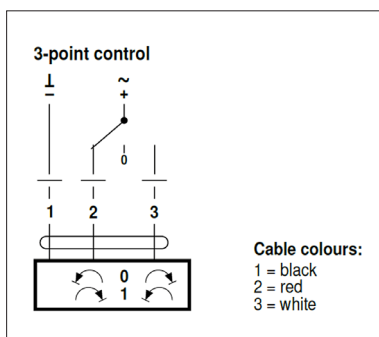
Options

- S2-A position detector

! Please state the voltage when ordering:
24 V AC/DC or 220 V AC.



Wiring diagram of electric actuator (open/close)



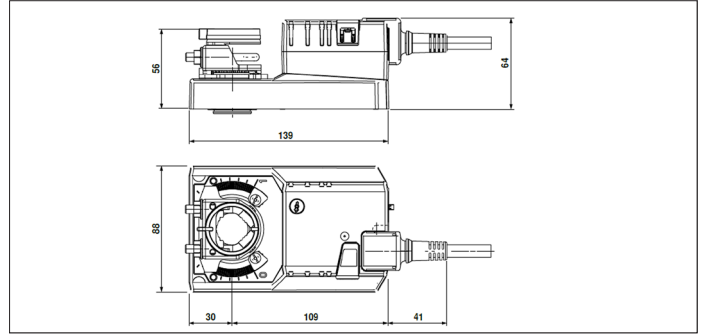
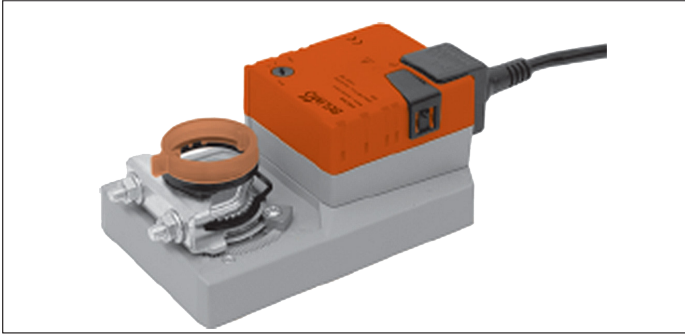
Wiring diagram of electric actuator (3 point control)



Optional S2-A position detector

Model	Code		Weight kg
	24V	220V	
ADTER-A-L	AADL000053	AADL000068	0.48

PCG Electric actuator SM for AADL electric throttle valves



PCG Electric actuator SM for AADL electric throttle valves

Actuator for operating throttle valves and such in ventilation, dust extraction and air-conditioning systems for building services and industrial installations.

Simple direct mounting on the damper spindle by form-fit. The actuator, with its hollow shaft, is placed over the 8 mm square spindle of the throttle valve and secured by two screws.

Manual override with push-button possible (the gear is disengaged for as long as the button is pressed or remains locked).

Mounted on throttle valves Ø180 up to Ø800, they have an adjustable angle of rotation with mechanical end stops. The actuator is overload-proof, requires no limit switches and automatically stops when the end stop is reached.

Material

Prewired plastic body on metal base with metal mechanism

Type

Nominal voltage : 24V AC/DC or 220V AC - 50/60 Hz

Power consumption : 2W / 4VA or 2.5W / 6VA

Cable type : 1m, 3 x 0.75 mm²

Torque : 20 Nm

Angle rotation : max. 95° adjustable

Speed : 150 sec. / 90°

Sound level : 45 dB(A)

Protection class : NEMA 2, UL enclosure type 2

EMC : 2004/108/EC Directive

Certification : cULus according to UL 60730-22A and UL 60730-2-22A and CAN/CSA E60730-22:02, IEC/EN 60730-22 and IEC/EN 60730-2-224

Protection level : IP 54

Temperature range : -30°C up to +50°C

Ambient humidity : 95% non-condensating

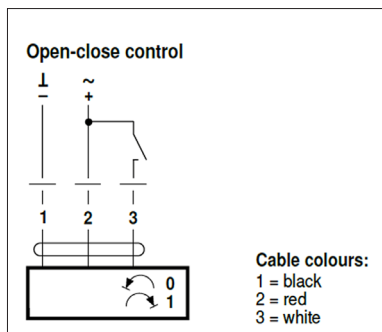
Maintenance : maintenance free

Axle requirements : L = ≥20, 8mm square axle

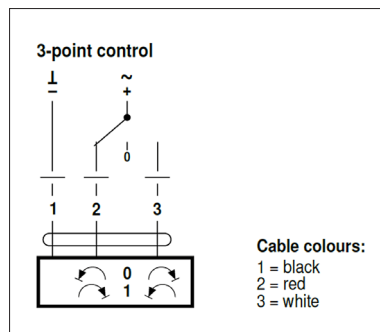
Options

- S2-A position detector

❗ Please state the voltage when ordering:
24 V AC/DC or 220 V AC.



Wiring diagram of electric actuator (open/close)



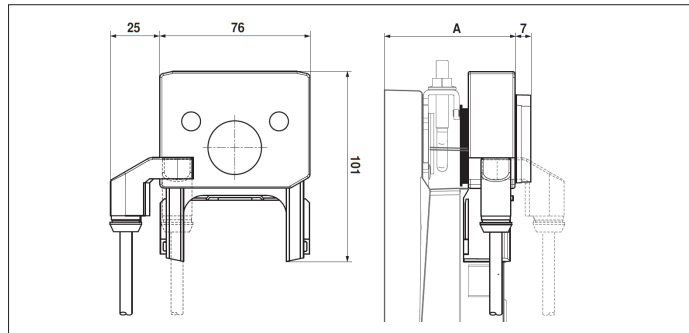
Wiring diagram of electric actuator (3 point control)



Optional S2-A position detector

Model	Code		Weight kg
	24V	220V	
ADTER-A-S	AADL000056	AADL000071	1.00

PCG Position detector S2-A for AADL electric throttle valves



PCG Position detector S2-A for AADL electric throttle valves

These electric position indicator fit over the Belimo electric actuator range mounted on the electric throttle valves and are used to signal positions or execute switching functions in any angular position.

A form-fit engagement is created between a driver disc and the spindle clamp causing the position to be directly transferred to the trip cams of the indicator. The guiding grooves between the housing and detector ensure a tight fit.

This model has two adjustable switches, an integrated cable and is maintenance free.

Options

- S1-A single switch model
- FNRC models
- Different cable length models

Material

Plastic housing, PVC coated copper cable.

Type

Voltage : 220V AC

Power : 10 W

Rated current : 1 mA - 3 A

Protection class : completely insulated

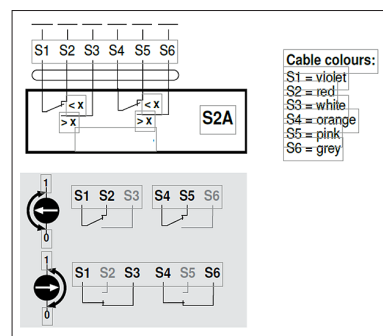
Protection level : IP54 (NEMA2, UL Enclosure type 2)

EU directive : 2006/95/EC, low voltage equipment

Certification : IEC/EN 60730-1 and IEC/EN 60730-2-14 according to
UL 60730-1A and UL 60730-2-14, and
CAN/CSA E60730-1:02

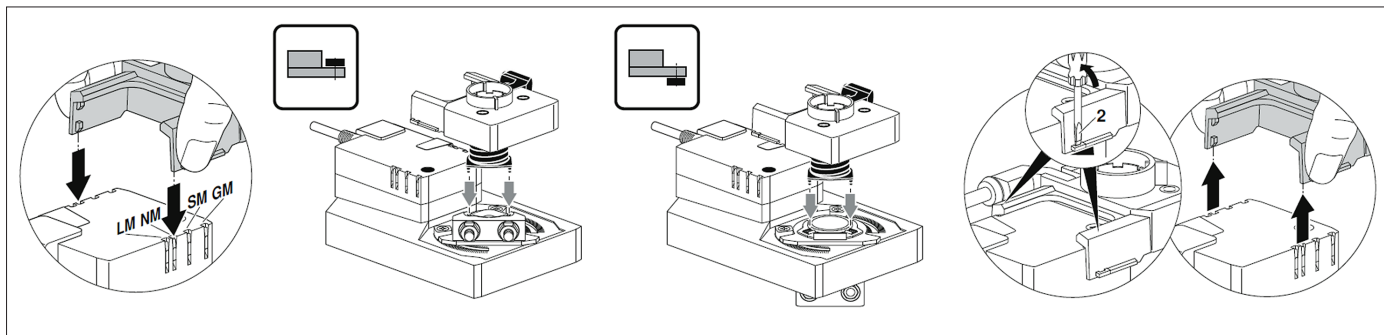
Working temperature : -30°C up to +50°C

Ambiente humidity : 95%, non-condesating



Wiring diagram of detector

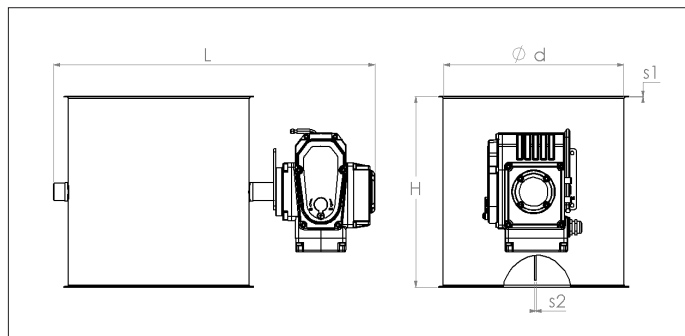
! Standard voltage : 220 V AC.



Mounting overview of detector

Code	A (mm) according to actuator model							Weight kg
	TM...A/LM...A	NM...A	SM...A/SMD...A	LMQ...A	NMQ...A	SMQ...A	NKQ...A	
PCG000030	66	69	71	80	83	89	87	0.20

AADL Electric throttle valves with seal



AADL Electric throttle valves with seal

Longitudinally stitch-welded throttle valves with a material thickness of 1 mm with an inner plate with seal in a material thickness of 3 mm.

The valves are provided with an electric rotating motor which opens or closes the valve. The open/close time is 30 seconds.

Axle seals are used and a natural rubber seal is applied to the valve blade for better airtightness.

Material

Sendzimir galvanized and EPDM blade seal.
Electric motor type HB50

Type

Rolled sheets, stitch-welded, with 6 mm edges for lock rings.
Provided with electric motor, 220 VAC, 50 Nm.

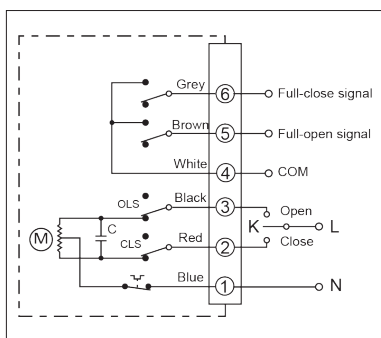
Options

- Other diameters
- Other sheet thickness
- Other valve seals, for example silicone, NBR, etc.
- Other types of electric motor (ATEX)
- Other types of edges or connections, see Tab 14 'edges and connections'

! Standard voltage : 220 V AC.



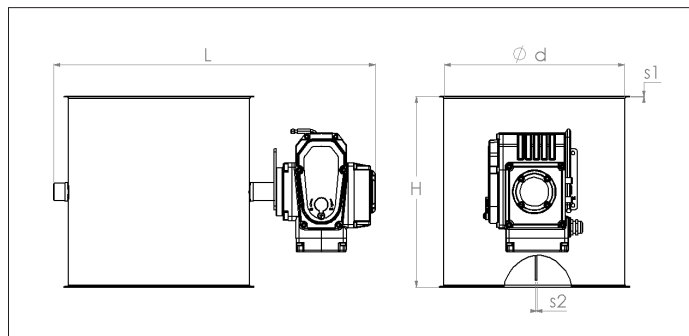
Provided with hexagonal handle for manual operation



Wiring diagram of motor

Ø	220V AC	Code	24V AC	24V DC	L	H	S1	S2	Open/close	Weight
					mm	mm	mm	mm	sec.	kg
80	AADL000168	AADL000214		AADL000151	295	125	0.88	2 x 1.00 + seal	30	3,28
100	AADL000169	AADL000215		AADL000152	315	125	0.88	2 x 1.00 + seal	30	3,38
120	AADL000170	AADL000216		AADL000153	335	135	0.88	2 x 1.00 + seal	30	3,53
125	AADL000171	AADL000217		AADL000154	340	135	0.88	2 x 1.00 + seal	30	3,56
140	AADL000172	AADL000218		AADL000155	355	170	0.88	2 x 1.00 + seal	30	3,76
150	AADL000173	AADL000219		AADL000156	365	170	0.88	2 x 1.00 + seal	30	3,84
160	AADL000174	AADL000220		AADL000157	375	170	0.88	2 x 1.00 + seal	30	3,92
180	AADL000175	AADL000221		AADL000158	395	210	0.88	2 x 1.00 + seal	30	4,24
200	AADL000176	AADL000222		AADL000159	415	210	0.88	2 x 1.00 + seal	30	4,44
225	AADL000177	AADL000223		AADL000160	440	240	0.88	2 x 1.00 + seal	30	4,84
250	AADL000178	AADL000224		AADL000161	465	265	0.88	2 x 1.00 + seal	30	5,27
275	AADL000179	AADL000225		AADL000162	490	290	0.88	2 x 1.00 + seal	30	5,74
280	AADL000180	AADL000226		AADL000163	495	295	0.88	2 x 1.00 + seal	30	5,80
300	AADL000181	AADL000227		AADL000164	515	315	0.88	2 x 1.00 + seal	30	6,25
315	AADL000182	AADL000228		AADL000165	530	330	0.88	2 x 1.00 + seal	30	6,58
350	AADL000183	AADL000229		AADL000166	565	365	0.88	2 x 1.00 + seal	30	7,40
400	AADL000184	AADL000230		AADL000167	615	415	0.88	2 x 1.00 + seal	30	8,73

AADL Electric throttle valves without seal



AADL Electric throttle valves without seal

Longitudinally stitch-welded throttle valves with a material thickness of 1 mm with an inner plate with a material thickness of 3 mm.

The valves are provided with an electric rotating motor which opens or closes the valve. The open/close time is 30 seconds.

Axle seals are used and a natural rubber seal is applied to the valve blade for better airtightness.

Material

Sendzimir galvanized and EPDM blade seal.
Electric motor type HB50

Type

Rolled sheets, stitch-welded, with 6 mm edges for lock rings.
Provided with electric motor, 220 VAC, 50 Nm.

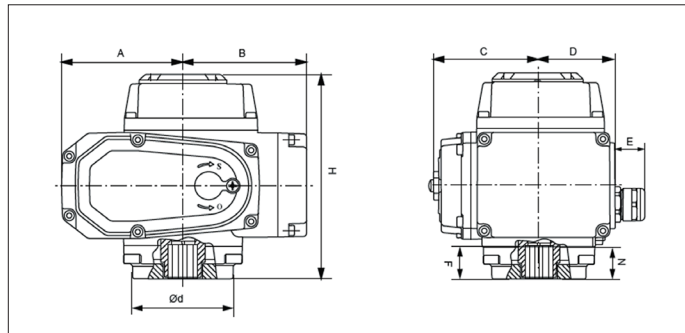
Options

- Other diameters
- Other sheet thickness
- Other types of electric motor (ATEX)
- Other types of edges or connections,
see Tab 14 'edges and connections'

! Standard voltage : 220 V AC.

Ø	Code			L	H	S1	S2	Open/close	Weight
	220V AC	24V AC	24V DC	mm	mm	mm	mm	sec.	kg
80	AADL000122	AADL000185	AADL000093	295	125	0.88	3.00	30	3.31
100	AADL000123	AADL000186	AADL000094	315	125	0.88	3.00	30	3.43
120	AADL000124	AADL000187	AADL000095	335	135	0.88	3.00	30	3.60
125	AADL000125	AADL000188	AADL000096	340	135	0.88	3.00	30	3.64
140	AADL000126	AADL000189	AADL000097	355	170	0.88	3.00	30	3.87
150	AADL000127	AADL000190	AADL000098	365	170	0.88	3.00	30	39.6
160	AADL000128	AADL000191	AADL000099	375	170	0.88	3.00	30	4.06
180	AADL000129	AADL000192	AADL000100	395	210	0.88	3.00	30	4.42
200	AADL000130	AADL000193	AADL000101	415	210	0.88	3.00	30	4.62
225	AADL000131	AADL000194	AADL000102	440	240	0.88	3.00	30	5.13
250	AADL000132	AADL000195	AADL000103	465	265	0.88	3.00	30	5.62
275	AADL000133	AADL000196	AADL000104	490	290	0.88	3.00	30	6.17
280	AADL000134	AADL000197	AADL000105	495	295	0.88	3.00	30	6.26
300	AADL000135	AADL000198	AADL000106	515	315	0.88	3.00	30	6.77
315	AADL000136	AADL000199	AADL000107	530	330	0.88	3.00	30	7.15
350	AADL000137	AADL000200	AADL000108	565	365	0.88	3.00	30	8.12
400	AADL000138	AADL000201	AADL000109	615	415	0.88	3.00	30	9.68
450	AADL000139	AADL000202	AADL000110	665	415	0.88	3.00	30	10.94
500	AADL000140	AADL000203	AADL000111	715	415	0.88	3.00	30	12.30
550	AADL000141	AADL000204	AADL000112	765	415	0.88	3.00	30	13.75
600	AADL000142	AADL000205	AADL000113	815	415	0.88	3.00	30	15.30
630	AADL000143	AADL000206	AADL000114	845	415	0.88	3.00	30	16.27
650	AADL000144	AADL000207	AADL000115	865	415	0.88	3.00	30	16.94
700	AADL000145	AADL000208	AADL000116	915	415	0.88	3.00	30	18.68
750	AADL000146	AADL000209	AADL000117	965	415	0.88	3.00	30	20.50
800	AADL000147	AADL000210	AADL000118	1015	415	0.88	3.00	30	22.43

PCL Electric motor HB50 for AADL electric throttle valves



PCL Electric motor H-50 for AADL electric throttle valves

The H-50 motor is especially suitable for the operation of ball valves and throttle valves with 90°-rotation angle.

Water resistant body with overload protection and a heating device against condensation with its self-locking secondary reducing gear to have an exact positioning.

Delivered with vertical upward optical position indicator and 2 (OPEN/CLOSE) torque switches. All other installations only after request. In order to under the condition of no power manual rotary valve, all models of the H series come standard with a manual operation.

Prominently labeled and color coded – yellow for open, red for closed – the display indicates valve position through the full range of travel. Made of high impact, heat and chemical resistant clear polycarbonate.

The motor switches are pre-wired to an easily accessible terminal block.

Material

Carbon steel, aluminum alloy, bronze body polyester coated, 2 limit switches.

Other info

Torque : 50 Nm

Voltage : 220V AC

Power : 10 W

Rated current : 0.24 A

Working temperature : -20°C to +70°C

Mounting pad : DIN-ISO 5211, M5-M6-M8 (F03, F05 & F07)

Protection class : IP67

Operating angle : 90° ±5°

UL, CSA and CE certification of most units

Options

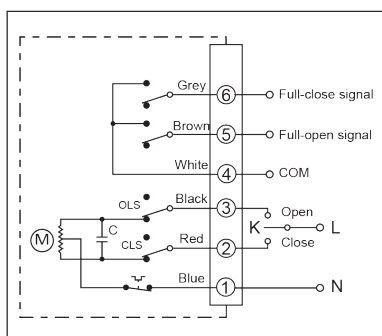
- Other torques : 100, 200, 400 and 600, 1000, 2000 Nm
- Other voltages : 4V DC/AC, 110V AC, 380V AC & 220V AC modulante
- ATEX versions

❗ Standard available in 220 V AC.

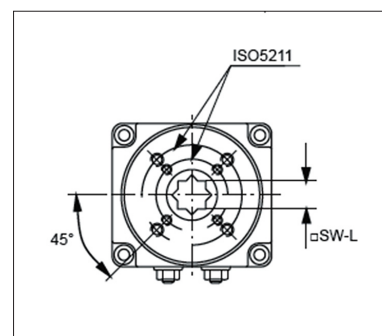
❗ The screw is only to adjust the mechanical limit switch, removal is not permitted.



Provided with hexagonal handle for manual operation



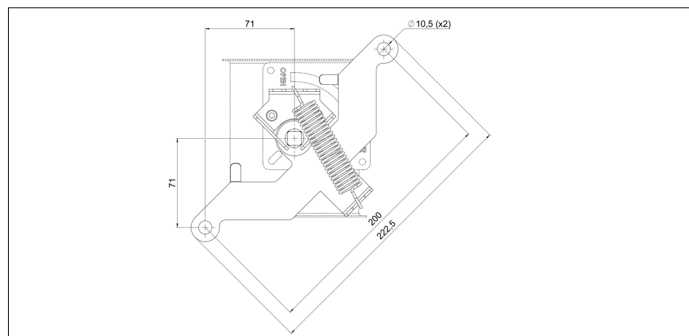
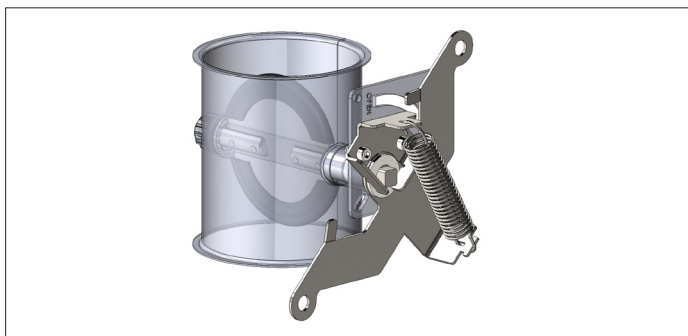
Wiring diagram of motor



Motor support dimensions

H-50 code	Voltage	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Ød mm	SW	Open/ close sec.	Weight kg
PCL000001	220V AC	120.5	21	46	170.5	83	120	19	30	70	9-11-14	30	2.50
PCL000002	24V DC	120.5	21	46	170.5	83	120	19	30	70	9-11-14	30	2.50
PCL000005	24V AC	120.5	21	46	170.5	83	120	19	30	70	9-11-14	30	2.50

CDTZ Throttle valves spring-return kit



CDTZ Throttle valves spring-return kit

Special kit to transform a ready for pneumatic throttle valve to a manual spring-return model.

One size fits all from Ø80 to Ø800.

Kit composition : handle, spring, handle support, washer, 2 bolts & nuts. Rope or chain not included.

Material

2 mm Stainless steel plate and metal spring.

Type

Laser cut plate.

Options

- None

Model	Code	Weight kg
CDTZ	AADZ000001	0.50