



ASM105F122



ASM 105, 115: Damper actuator

Features

- For controllers with switching output (2- and 3-point)
- Self-centring spindle adapter
- Gear unit can be disengaged to position the damper and for manual adjustment
- Synchronous motor with electronic activation and cut-out
- Maintenance-free
- Suitable for all fitting positions

Technical data

Parameters

| | |
|------------------------------------|------------------------------|
| Angle of rotation | Max. 95° |
| Admissible damper shaft | ∅ 8...16 mm, □ 6,5...12.5 mm |
| Admissible damper shaft (hardness) | Max. 300 HV |
| Operating noise | < 30 dB (A) |
| Response time | 200 ms |

Ambient conditions

| | |
|-----------------------------------|-----------------------------|
| Ambient temperature ¹⁾ | -20...65 °C |
| Ambient humidity | 5...85% rh, no condensation |

Function

| | |
|---------|------------|
| Control | 2-/3-point |
|---------|------------|

Construction

| | |
|------------------|---|
| Weight | 0.7 kg |
| Housing | Lower section black, upper section yellow |
| Housing material | Fire-retardant plastic |
| Power cable | 1.2 m long, 3 × 0.75 mm ² |

Standards and directives

| | |
|------------------------|-----------------|
| Type of protection | IP54 (EN 60529) |
| Protection class 24 V | III (EN 60730) |
| Protection class 230 V | II (EN 60730) |

CE conformity according to

| | |
|--|--|
| EMC Directive 2014/30/EU | EN 61000-6-1, EN 61000-6-2 EN 61000-6-3, EN 61000-6-4 |
| Directive 2006/95/EC | EN 1050 |
| Low-Voltage Directive 2014/35/EU ²⁾ | EN 60730-1, EN 60730-2-14 Over-voltage category III Degree of contamination II |

Overview of types

| Type | Rotational torque and holding torque | Running time for 90° | Power supply | Power consumption |
|------------|--------------------------------------|----------------------|--------------|-------------------|
| ASM105F100 | 5 Nm | 30 s | 230 V~ | 2.4 W, 5.4 VA |
| ASM105F120 | 5 Nm | 120 s | 230 V~ | 2.0 W, 5.0 VA |
| ASM105F122 | 5 Nm | 120 s | 24 V~ | 1.6 W, 1.7 VA |
| ASM115F120 | 10 Nm | 120 s | 230 V~ | 2.0 W, 5.0 VA |
| ASM115F122 | 10 Nm | 120 s | 24 V~ | 1.6 W, 1.7 VA |

¹⁾ Operating time approx. 80% up to 65 °C, 100% up to 55 °C

²⁾ Only for ASM1*5F1*0



Accessories

| Type | Description |
|------------|--|
| 0361977002 | Assembly materials for M3R, M4R, MH32R/F, MH42R with ASM 105, 115 |
| 0372145001 | Auxiliary change-over contacts, single |
| 0372145002 | Auxiliary change-over contacts, double |
| 0372286001 | Potentiometer, 130 Ω |
| 0372286002 | Potentiometer, 1000 Ω |
| 0372286003 | Potentiometer, 5000 Ω |
| 0372300001 | Torsion protection, long (230 mm) |
| 0372301001 | Spindle adaptor for squared end hollow profile (x 15 mm), pack of 10 pcs. |
| 0372320001 | Hexagon key as visualisation for position indicator |
| 0372459102 | External switching, 24 V version for parallel operation with A*M 1*4 or drives with limit switch, incl. junction box |

💡 Auxiliary change-over contacts: Infinitely variable 0...90°, admissible load 5(2) A, 24...230 V

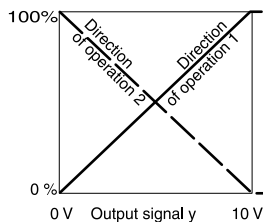
💡 Potentiometers: Only one potentiometer or one set of auxiliary contacts can be fitted for each actuator



ASM 105S, 115S F132: Damper actuator with SAUTER Universal Technology (SUT)



ASM105SF132



Features

- For controllers with switching (2- and 3-point) or continuous output (0...10 V)
- Self-centring spindle adapter
- Gear unit can be disengaged to position the damper and for manual adjustment
- Stepping motor with electronic activation and cut-out
- Maintenance-free
- Intelligent adaptation of rotation angle, incl. feedback adjustment
- Free configuration using the CASE Drive PC tool
- Suitable for all fitting positions

Technical data

| Power supply | | |
|---|--|--|
| Power supply 24 V~ | | ±20%, 51...60 Hz |
| Power supply 24 V= | | ±20% |
| Parameters | | |
| Angle of rotation | | Max. 95° |
| Admissible damper shaft | | ∅ 8...16 mm, □ 6,5...12.5 mm |
| Admissible damper shaft (hardness) | | Max. 300 HV |
| Operating noise | | < 30 dB (A) |
| Response time | | 200 ms |
| Positioner | | |
| Control signal y | | 0...10 V, R _i > 100 kΩ |
| Positional feedback signal y ₀ | | 0...10 V; load > 10 kΩ |
| Starting point U ₀ | | 0 or 10 V |
| Control span ΔU | | 10 V |
| Switching range X _{sh} | | 200 mV |
| Ambient conditions | | |
| Ambient temperature | | -20...55 °C |
| Ambient humidity | | < 95% rh, no condensation |
| Construction | | |
| Weight | | 0.7 kg |
| Housing | | Lower section black, upper section yellow |
| Housing material | | Fire-retardant plastic |
| Power cable | | 1.2 m long, 5 × 0.5 mm ² |
| Standards and directives | | |
| Type of protection | | IP54 (EN 60529) |
| Protection class | | III (IEC 60730) |
| CE conformity | | |
| EMC Directive 2014/30/EU | | EN 61000-6-1 EN 61000-6-3 EN 61000-6-4 |
| Directive 2006/95/EC | | EN 1050 |

Overview of types

| Type | Rotational torque and holding torque (Nm) | Running time for 90° | Power consumption |
|-------------|---|----------------------|-------------------|
| ASM105SF132 | 5 | 35/60/120 s | 5.0 W, 9.0 VA |
| ASM115SF132 | 10 | 60/120 s | 4.8 W, 8.7 VA |



Accessories

| Type | Description |
|------------|---|
| 0313529001 | Split-range unit for adjusting sequences, fitted in separate junction box |
| 0361977002 | Assembly materials for M3R, M4R, MH32R/F, MH42R with ASM 105, 115 |
| 0372145001 | Auxiliary change-over contacts, single |
| 0372145002 | Auxiliary change-over contacts, double |
| 0372286001 | Potentiometer, 130 Ω |
| 0372286002 | Potentiometer, 1000 Ω |
| 0372286003 | Potentiometer, 5000 Ω |
| 0372300001 | Torsion protection, long (230 mm) |
| 0372301001 | Spindle adaptor for squared end hollow profile (x 15 mm), pack of 10 pcs. |
| 0372320001 | Hexagon key as visualisation for position indicator |

☛ Auxiliary change-over contacts: Infinitely variable 0...90°, admissible load 5(2) A, 24...230 V

☛ Potentiometers: Only one potentiometer or one set of auxiliary contacts can be fitted for each actuator



ASM 105S, 115S F152: High-speed damper actuator with SAUTER Universal Technology (SUT)



ASM115SF152



Features

- For controllers with switching (2- and 3-point) or continuous output (0...10 V)
- Brushless motor with electronic activation and cut-out
- Intelligent adaptation of rotation angle
- Electronic force-dependent cut-off
- Direction of rotation selected with DIP switches \odot and \ominus
- Pulse length correction in 3-point operation, i.e. internal adjustment of start-up time
- Self-centring spindle adapter
- Gear unit can be disengaged to position the damper and for manual adjustment
- Free configuration using the CASE Drive PC tool
- Maintenance-free
- Fitting: Vertically upright to horizontal, not suspended

Technical data

Power supply

| | |
|--------------------|------------------|
| Power supply 24 V~ | ±20%, 50...60 Hz |
| Power supply 24 V= | +20%, -10% |

Parameters

| | | |
|------------|------------------------------------|--|
| | Angle of rotation | Max. 95° |
| | Admissible damper shaft | ∅ 8...16 mm, □ 6,5...12.5 mm |
| | Admissible damper shaft (hardness) | Max. 300 HV |
| | Noise during operation (unloaded) | < 49 dB(A) |
| | Response time | 10 ms (electrically compensated) |
| Positioner | Positioning signal y | 0...10 V / 2...10 V, $R_i = 100 \text{ k}\Omega$, 0...20 mA / 4...20 mA, $R_i = 50 \text{ }\Omega$ |
| | Positional feedback signal y_0 | 0...10 V; load > 10 k Ω |
| | Starting point U_0 | 0 or 10 V / 2 or 10 V |
| | Starting point I_0 | 0 or 20 mA / 4 or 20 mA |
| | Control span ΔU | 10 V |
| | Switching range X_{sh} | 100 mV |
| | Control span ΔI | 20 mA |
| | Switching range X_{sh} | 0.1 mA |

Ambient conditions

| | |
|-----------------------------------|-----------------------------|
| Operating temperature | -20...55 °C |
| Storage and transport temperature | -30...65 °C |
| Ambient humidity | 5...85% rh, no condensation |

Construction

| | |
|----------------------|---|
| Dimensions W x H x D | 70 × 63 × 133 mm |
| Weight | 0.7 kg |
| Housing | Lower section black, upper section yellow |
| Housing material | Fire-retardant plastic |
| Power cable | 1.2 m long, 6 × 0.5 mm ² |

Standards and directives

| | | |
|---------------|--------------------------|--|
| | Type of protection | IP54 (EN 60529) |
| | Protection class | III (EN 60730) |
| CE conformity | EMC Directive 2014/30/EU | EN 61000-6-1, EN 61000-6-2 EN 61000-6-3, EN 61000-6-4 |



Overview of types

i Torque and holding torque: Holding torque is typically 1.5 Nm when the actuator is without power

| Type | Rotational torque and holding torque | Running time for 90° | Power consumption |
|-------------|--------------------------------------|----------------------|-------------------|
| ASM105SF152 | 5 Nm | 3 s | 6.0 W, 8.5 VA |
| ASM115SF152 | 10 Nm | 6 s | 6.5 W, 9.0 VA |

Accessories

| Type | Description |
|------------|--|
| 0313529001 | Split-range unit for adjusting sequences, fitted in separate junction box |
| 0372459102 | External switching, 24 V version for parallel operation with A*M 1*4 or drives with limit switch, incl. junction box |
| 0361977002 | Assembly materials for M3R, M4R, MH32R/F, MH42R with ASM 105, 115 |
| 0372300001 | Torsion protection, long (230 mm) |
| 0372301001 | Spindle adaptor for squared end hollow profile (x 15 mm), pack of 10 pcs. |





ASM124F12



ASM 124: Damper actuator

Features

- For operating air dampers, shut-off dampers, butterfly valves and multi-leaf dampers
- For controllers with switching (2- and 3-point) output
- Synchronous motor with electronic activation and cut-out
- Maintenance-free gear unit
- Electronic end position detector and motor cut-off
- Self-centring spindle adapter for fitting onto damper spindle
- Gear unit can be disengaged to position the damper and for manual adjustment
- Suitable for all fitting positions
- Threaded holes (M5) for fitting to bracket
- Version with halogen-free cable on demand

Technical data

Power supply

| | |
|---------------------|------------------|
| Power supply 230 V~ | ±15%, 50...60 Hz |
| Power supply 24 V~ | ±20%, 50...60 Hz |

Parameters

| | |
|------------------------------------|----------------------------|
| Torque and holding torque | 18 Nm |
| Running time for 90° | 120 s |
| Angle of rotation | Max. 95° |
| Admissible damper shaft | Ø 12...20 mm, □ 10...16 mm |
| Admissible damper shaft (hardness) | max. 300 HV |
| Operating noise | < 30 dB (A) |
| Response time | 200 ms |

Ambient conditions

| | |
|---------------------|---------------------------|
| Ambient temperature | -20...55 °C |
| Ambient humidity | < 95% rh, no condensation |

Construction

| | |
|------------------|---|
| Weight | 1.2 kg |
| Housing | Lower section black, upper section yellow |
| Housing material | Fire-retardant plastic |
| Power cable | 1.2 m long, 3 × 0.75 mm ² |

Standards and directives

| | |
|----------------------------------|--|
| Type of protection | IP40 (EN 60529), IP43 (EN 60529), IP54 (EN 60529), IP55 (EN 60529) |
| Protection class 230 V | II (EN 60730) |
| Protection class 24 V | III (EN 60730) |
| EMC Directive 2014/30/EU | EN 61000-6-1, EN 61000-6-2 EN 61000-6-3, EN 61000-6-4 |
| Low-Voltage Directive 2014/35/EU | EN 60730-1, EN 60730-2-14 |
| Over-voltage categories | III |
| Degree of contamination | II |
| Mode of operation | Type 1 AB (EN 60730) Type 1 C (EN 60730) |
| Software | A (EN 60730) |


Overview of types

| Type | Voltage | Power consumption |
|------------|---------|-------------------|
| ASM124F120 | 230 V~ | 2.9 W, 5.6 VA |
| ASM124F122 | 24 V~ | 2.3 W, 2.4 VA |



 **Power consumption when idle:**

 ASM124F120: 0.5 W, 5.1 VA

 ASM124F122: 0.03 W, 0.4 VA

Accessories

| Type | Description |
|------------|--|
| 0361977001 | Assembly materials for M3R, M4R, MH32F, MH42F with ASM 124 |
| 0370059000 | Clamping lever for shaft, Ø 8...18 mm |
| 0370990001 | Auxiliary change-over contacts, single |
| 0370990002 | Auxiliary change-over contacts, double |
| 0370992001 | Potentiometer, 2000 Ω, 1 W |
| 0370992002 | Potentiometer, 130 Ω, 1 W |
| 0372200001 | Fitting bracket |
| 0372201001 | Spindle extension with coupling |
| 0372202001 | Lever, fitting strip |
| 0372203001 | Driver axle for auxiliary contacts |
| 0372204001 | Spindle for clamping lever 0370059 |
| 0372455001 | Assembly part; DEF DN25...65 for ASM 124/134 |
| 0372455002 | Assembly part; DEF DN80...100 for ASM 124; DN125 for ASM 134 |

 Auxiliary change-over contacts: Infinitely variable 0...90°, admissible load 5(2) A, 24...230 V





ASM134F130



ASM 134: Damper actuator

Features

- For operating air dampers, shut-off dampers, butterfly valves and multi-leaf dampers
- For controllers with a switching (3-point) output
- Self-centring spindle adapter
- Gear unit can be disengaged to position the damper and for manual adjustment
- Stepping motor with electronic activation and cut-out
- Direction of rotation changed by transposing the connections
- Suitable for all fitting positions
- Maintenance-free
- Version with halogen-free cable on demand

Technical data

Power supply

| | |
|-------------------|---------------------|
| Power supply | 230 V~, ±15%, 50 Hz |
| Power consumption | 3.7 W, 4.7 VA |

Parameters

| | |
|------------------------------------|----------------------------|
| Torque and holding torque | 30 Nm |
| Running time for 90° | 120/240 s |
| Angle of rotation | Max. 95° |
| Admissible damper shaft | Ø 12...20 mm, □ 10...16 mm |
| Admissible damper shaft (hardness) | Max. 300 HV |
| Operating noise | < 30 dB (A) |
| Response time | 200 ms |

Ambient conditions

| | |
|---------------------|---------------------------|
| Ambient temperature | -20...55 °C |
| Ambient humidity | < 95% rh, no condensation |

Construction

| | |
|------------------|---|
| Weight | 1.8 kg |
| Housing | Lower section black, upper section yellow |
| Housing material | Fire-retardant plastic |
| Power cable | 1.2 m long, 3 × 0.75 mm ² |

Standards and directives

| | |
|----------------------------------|--|
| Type of protection | IP40 (EN 60529) IP54 (EN 60529) IP55 (EN 60529) |
| Protection class | II (IEC 60730) |
| EMC Directive 2014/30/EU | EN 61000-6-1, EN 61000-6-2 EN 61000-6-3, EN 61000-6-4 |
| Low-Voltage Directive 2014/35/EU | EN 60730-1, EN 60730-2-14 |
| Over-voltage categories | III |
| Degree of contamination | III |
| Mode of operation | Type 2 B (EN 60730) |
| Software | A (EN 60730) |

Overview of types

| Type | Power consumption during operation | Power consumption when idle |
|------------|------------------------------------|-----------------------------|
| ASM134F130 | 3,7 W, 4,7 VA | 1,1 W, 2,7 VA |



Accessories

| Type | Description |
|------------|--|
| 0361977001 | Assembly materials for M3R, M4R, MH32F, MH42F with ASM 124 |
| 0370990001 | Auxiliary change-over contacts, single |
| 0370990002 | Auxiliary change-over contacts, double |
| 0370992001 | Potentiometer, 2000 Ω , 1 W |
| 0370992002 | Potentiometer, 130 Ω , 1 W |
| 0372200001 | Fitting bracket |
| 0372201001 | Spindle extension with coupling |
| 0372202001 | Lever, fitting strip |
| 0372203001 | Driver axle for auxiliary contacts |
| 0372204001 | Spindle for clamping lever 0370059 |
| 0372455001 | Assembly part; DEF DN25...65 for ASM 124/134 |
| 0372455002 | Assembly part; DEF DN80...100 for ASM 124; DN125 for ASM 134 |
| 0372455003 | Assembly part; DEF DN150...200 for ASM 134 |

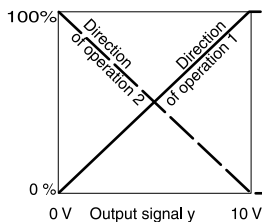
 Auxiliary change-over contacts: Infinitely variable 0...90°, admissible load 5(2) A, 24...230 V



ASM 124S, 134S: Damper actuator with SAUTER Universal Technology (SUT)



ASM1*4SF132



Features

- For operating air dampers, shut-off dampers, butterfly valves and multi-leaf dampers
- For controllers with switching (2- and 3-point) or continuous output (0...10 V)
- Self-centring spindle adapter
- Gear unit can be disengaged to position the damper and for manual adjustment
- Stepping motor with electronic activation and cut-out
- Maintenance-free
- Intelligent adaptation of rotation angle, incl. feedback adjustment
- Direction of rotation changed by transposing the connections
- Suitable for all fitting positions
- Version with halogen-free cable on demand

Technical data

Power supply

| | |
|----------------------------------|------------------|
| Power supply 24 V~ | ±20%, 50...60 Hz |
| Power supply 24 V= ¹⁾ | ±20% |

Parameters

| | | |
|------------|------------------------------------|-----------------------------------|
| | Angle of rotation | Max. 95° |
| | Admissible damper shaft (hardness) | Max. 300 HV |
| | Operating noise | < 30 dB(A) |
| | Response time | 200 ms |
| Positioner | Control signal | 0...10 V, R _i > 100 kΩ |
| | Positional feedback signal | 0...10 V; load > 10 kΩ |
| | Starting point U ₀ | 0 or 10 V |
| | Control span ΔU | 10 V |
| | Switching range X _{sh} | 200 mV |

Ambient conditions

| | |
|---------------------|---------------------------|
| Ambient temperature | -20...55 °C |
| Ambient humidity | < 95% rh, no condensation |

Construction

| | |
|------------------|---|
| Weight | 1.6 kg |
| Housing | Lower section black, upper section yellow |
| Housing material | Fire-retardant plastic |
| Power cable | 1.2 m long, 2 × 0.75 mm ² |

Standards and directives

| | |
|--------------------------|--|
| Type of protection | IP40 (EN 60529), IP43 (EN 60529), IP54 (EN 60529) |
| Protection class | III (IEC 60730) |
| EMC Directive 2014/30/EU | EN 61000-6-1, EN 61000-6-2 EN 61000-6-3, EN 61000-6-4 |
| Mode of operation | Type 1 AB (EN 60730) Type 1 C (EN 60730) |
| Software | A (EN 60730) |

¹⁾ 24 V= only for control signals 0...10 V



Overview of types

| Type | Rotational torque | Holding torque | Running time for 90° | Power consumption | Admissible damper shaft |
|-------------|-------------------|----------------|----------------------|-------------------|-------------------------------|
| ASM124SF132 | 15 Nm | 15 Nm | 60, 120 s | 2.4 W, 4.4 VA | Ø 12...20 mm, □ 10...16 mm |
| ASM134SF132 | 30 Nm | 30 Nm | 120, 240 s | 2.4 W, 4.3 VA | Ø 12...20 mm, □ 10...16 mm |

💡 *Power consumption when idle:*

💡 ASM124SF132: 0.25 W, 0.46 VA

💡 ASM134SF132: 0.26 W, 0.48 VA

Accessories

| Type | Description |
|------------|---|
| 0313529001 | Split-range unit for adjusting sequences, fitted in separate junction box |
| 0361977001 | Assembly materials for M3R, M4R, MH32F, MH42F with ASM 124 |
| 0370059000 | Clamping lever for shaft, Ø 8...18 mm |
| 0370990001 | Auxiliary change-over contacts, single |
| 0370990002 | Auxiliary change-over contacts, double |
| 0370992001 | Potentiometer, 2000 Ω, 1 W |
| 0370992002 | Potentiometer, 130 Ω, 1 W |
| 0372200001 | Fitting bracket |
| 0372201001 | Spindle extension with coupling |
| 0372202001 | Lever, fitting strip |
| 0372203001 | Driver axle for auxiliary contacts |
| 0372204001 | Spindle for clamping lever 0370059 |
| 0372455001 | Assembly part; DEF DN25...65 for ASM 124/134 |
| 0372455002 | Assembly part; DEF DN80...100 for ASM 124; DN125 for ASM 134 |
| 0372455003 | Assembly part; DEF DN150...200 for ASM 134 |

💡 *Auxiliary change-over contacts: Infinitely variable 0...90°, admissible load 5(2) A, 24...230 V*

