

## Strong types – a flexible and varied range.

Type	Voltage 50/60 Hz	Actuation	Running time s	Torque Nm	Power consumption VA
<b>Damper drive 5 Nm</b>					
ASM105S F132	24 V ~/=	SUT	35/60/120	5	5.3/9/4.5
ASM105S F122	24 V ~	2- & 3-point	120	5	1.7
ASM105 F120	230 V ~	2- & 3-point	120	5	4
ASM105 F100	230 V ~	2- & 3-point	30	5	4.5
ASM105 LF132	24 V ~/=	LON	35/60/120	5	5.3/9/4.5

<b>Damper drive 10 Nm</b>					
ASM115S F132	24 V ~/=	SUT	60/120	10	8.7/6.5
ASM115S F122	24 V ~	2- & 3-point	120	10	1.7
ASM115S F120	230 V ~	2- & 3-point	120	10	4
ASM115 LF132	24 V ~	LON	60/120	10	8.7/6.5

Angle of rotation: max.95° / Degree of protection: IP54 / Ambient temperature: -20...+65°C (SUT: up to 55°C)  
Running noise: <30 dB(A) / Damper drive with SUT: actuation 0...10 V or 2-point or 3-point / Output signal: 0...10 V  
Damper shaft: Ø 8...16 mm; □ 6.5...12.7 mm

<b>Damper drive 18 (15) Nm</b>					
ASM124S F132	24 V ~	SUT	60/120	15	5
ASM124 F122	24 V ~	2- & 3-point	120	18	5.5
ASM124 F120	230 V ~	2- & 3-point	120	18	5

<b>Damper drive 30 Nm</b>					
ASM134S F132	24 V ~	SUT	120/240	30	5.5
ASM134 F130	230 V ~	3-point	120/240	30	5

Angle of rotation: max.95° / Degree of protection: IP54 / Ambient temperature: -20...+55°C (Running noise: <30 dB(A))  
Damper drive with SUT: actuation 0...10 V or 2-point or 3-point / Output signal: 0...10 V  
Damper shaft: Ø 12...20 mm; □ 10...16 mm

<b>Damper drive with spring return, 7 Nm</b>					
ASF113S F122	24 V ~/24...48 V =	continuous	90 (15)	7	3.5
ASF113 F122	24 V ~/24...48 V =	3-point	90 (15)	7	3
ASF112 F122	24 V ~/24...48 V =	2-point	90 (15)	7	3
ASF112 F222	24 V ~/24...48 V =	2-point	90 (15)	7	3
ASF112 F120	230 V ~	2-point	90 (15)	7	4.6
ASF112 F220	230 V ~ + contact	2-point	90 (15)	7	4.6

<b>Damper drive with spring return, 18 Nm</b>					
ASF123S F122	24 V ~/24...48 V =	continuous	90 (15)	18	7.5
ASF123 F122	24 V ~/24...48 V =	3-Punkt	90 (15)	18	7.7
ASF122 F122	24 V ~/24...48 V =	2-Punkt	90 (15)	18	7.7
ASF122 F222*	24 V ~/24...48 V =	2-Punkt	90 (15)	18	7.7
ASF122 F120	230 V ~	2-Punkt	90 (15)	18	7.9
ASF122 F220*	230 V ~	2-Punkt	90 (15)	18	7.9

Angle of rotation: max.95° / Degree of protection: IP54 / Ambient temperature: -30...+55°C / Running noise: <30 dB(A)  
Damper drive, continuous: actuation 0...10 V or 2-point or 3-point / Output signal: 0...10 V  
Damper shaft with 7 Nm: Ø 6.4...20mm; 6.4...13 mm / Damper shaft with 16 Nm: Ø 8...25 mm; □ 6...18 mm

\* with auxiliary contact



**A complete, highly intelligent family:  
damper drives with SUT.**



ASM105: 5 Nm – ASM115: 10 Nm  
 Super-compact damper drives with functional design for small dampers and different torques. This design and the 'click' fastener with the anti-torsion device mean that they will fit anywhere. With 5 Nm of torque, a maximum of 1.5 m<sup>2</sup> of damper area can be moved; for 10 Nm, the area is 3.0 m<sup>2</sup>.



ASM124: 18 (15) Nm – ASM134: 30 Nm  
 High-performance damper drives for higher torques. Despite the high performance, the housing design is compact. No other 30-Nm drive is so small yet so powerful. As with all Sauter damper drives, costs of installation and commissioning are especially low. The maximum damper area with 18 Nm of torque is 6 m<sup>2</sup>; with 30 Nm, the area is 9 m<sup>2</sup>.

# SUT

## Plenty of applications but just a few types. With self-centring adapter so that only the damper shaft moves.

Our intelligent ASM damper drives with SUT (Sauter Universal Technology) have several innovations in store to offer you functional benefits and rationalisation in more than one respect. Just a few basic types cover a multitude of applications, so – not least – your storage problems are eased.

### One technology, many possibilities

ASM drives with SUT are available in a wide range of variants: for actuation with a continuous signal, 0 – 10 V or 10 – 0 V, and also for 3-point or 2-point actuation; with various running times and torques from 5 Nm to 30 Nm for 24 V.

### Minimal outlay for installation and commissioning

Mounting the drive on the damper is very simple: fit the anti-torsion device, place the damper drive on the damper shaft and click it onto the anti-torsion device – this fixes the drive in all positions. By means of a screw, the self-centring shaft adaptor reliably connects the damper shaft concentrically with the pivot point of the damper drive; this arrangement protects the bearings. Putting into service is even simpler: after applying power, the damper drive adapts automatically to the damper, determining the required angle of rotation of its own accord.

### ASF112/113: 7 Nm – ASF122/123: 18 Nm

In case the power is interrupted, damper drives with spring return ensure closing or opening of the ventilation damper thanks to the mechanical spring, which is tried and tested on the market. Torque of 18 Nm allows applications with a damper area of up to 6 m<sup>2</sup>.



### Increased control quality and maximum operational reliability

Variable actuation and automatic adjustment to the control operation with self-diagnosis and captive values – these assets give the SUT damper drives excellent control quality and maximum operational reliability. The drives can be fitted with a standard bus module (LON) or they can be actuated via a local bus – so they will always stay up to date. All the drive parameters can be read and set with the 'CASE Drives' PC tool. As well as ASM drives with SUT, we can also supply versions with conventional technology for 2- and 3-point actuation, with voltages of 24 or 230 V. Limit-stop detection (non-wearing) prolongs the lifetime of these drives – so the energy efficiency of the installation and the drive itself is increased.

### Self-centring shaft adaptor with one screw

Reliable, simple installation of the damper drive prevents the damper shaft from rotating eccentrically. So only the damper shaft moves, not the drive. This considerably extends the lifetime of the bearings on the air dampers. Torque is optimally transmitted, without wear.

### Damper drives with spring return

In addition to the ASM drives, we offer the family of ASF drives with spring return. They also feature a self-centring shaft adaptor. If the power is interrupted, the spring return mechanism closes the damper automatically, to the left or right depending on the structure. If necessary, the drive can be adjusted and locked by hand. Versions with 2-point, 3-point or continuous control are available.



### Benefits in brief:-

- All actuation options are possible
- Automatic adaptation and adjustment of the running time
- Simple to install and commission
- Connection to common bus systems with plug-in module
- Online parameterisation
- Self-diagnosis, data recording and evaluation
- Versions with spring return