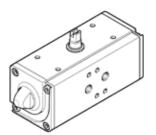
## semi-rotary drive DAPS-0015-090-R-F04 Part number: 533475

**FESTO** 

Double-acting, air connection as per VDI/VDE 3845, Namur valves can be directly flange-mounted





## **Data sheet**

Flange hole pattern  Flo4  Swivel angle  90 deg  19 deg  Shaft connection adjustment range at 0°  19 deg  Shaft connection depth  13.2 mm  Fitting connection conforms to standard  Usbinoling  No cushioning  No cushioning  No double-acting  Design structure  Yoke kinematics  Position detection  No  Closing direction  Closing direction  Voll/VDE 3845 (NAMUR)  Safety Integrity Level (SIL)  Operating pressure MPa  Operating pressure MPa  Operating pressure  1 8.4 bar  Nominal operating pressure  No So Bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  LIE CE mark (see declaration of conformity)  TO W Not 212170801  ATEX category Gas  ATEX category Gas  ATEX category Gas  Exhilic 16 13 Gb X  Explosion inginition protection type Dust  Explosion inginition protection type Dust  Explosion inginition protection type Dust  Explosion protend an benefit on the service of the presence of the manufacture operation presence of the manufacture operation pressure with 50° swivel angle  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and plot medium  Lubricated operating pressure with 50° swivel angle  7.5 Nm  To present a trated operating pressure with 50° swivel angle  7.5 Nm  The operating forque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coup	Feature	Value
Swivel angle  And possible and putting trange at 0°  19 deg  519 deg  51	Size of actuator	0015
End-position adjustment range at 0° Shaft connection depth Itting connection conforms to standard ISO 5211 Cushioning No cushioning No cushioning No Sasembly position Mode of operation Design structure Yoke kinematics Position detection No Closing direction Volve connection conforms to standard VDI/VDE 3845 (NAMUR) Safety integrity Level (SiL) Product can be used in SRP/CS up to SiL 2 low demand Operating pressure MPa Operating pressure MPa Operating pressure Nominal operating pressure Nominal operating pressure Nominal operating of Conformity) UE Mark (see declaration of conformity) UE MCA marking (see declaration of conformity) To UK KZ instructions Certificate issuing department TUV Nord 212170801 ATEX category Gas II 2G ATEX category Oust UR 12D Explosion ignition protection type Gas Explosion ignition protection type Gas Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion resistance classification CRC Operating medium Corrosion resistance classification CRC 3 - High corrosion stress  PUN Sondormity VDMA24364-B1/82-L Ambient temperature - 20°C c - Ta (a - 40°C Operating medium - Corrosion resistance classification CRC - 3 - High corrosion stress  PUN Sondormity VDMA24364-B1/82-L Ambient temperature - 20°C c - Ta (a - 40°C Operating medium - Corrosion resistance classification CRC - 3 - High corrosion stress - VEN Sondormity - VDMA24364-B1/82-L - Ambient temperature - 20°C c - Ta (a - 40°C - Ta (a - 40	Flange hole pattern	F04
Shaft connection depth  13.2 mm  Fitting connection conforms to standard  15.0 5211  Cushioning  Assembly position  Any  Mode of operation  Design structure  Position detection  No  Closing direction  Valve connection conforms to standard  VDI/VDE 3845 (NAMUR)  Safety Integrity Level (SIL)  Product can be used in SRP/CS up to SIL 2 low demand  Operating pressure MPa  Operating pressure  1 8.4 bar  Operating pressure  Operating pressure  1 8.4 bar  Os. 6 MPa  S. 6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TUV Nord 212170801  ATEX category Dust  Explosion ignition protection type Gas  Explosion ignition protection type Gas  Explosion ignition protection type Gas  Explosion protein presture  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating medium  Corrosion resistance classification CRC  PWIS conformity  VDMA2/364-B1/82-L  Ambient temperature  1 8.9 Nm  2.0 Nm  2.0 Nm  2.0 Nm  2.0 Nm  2.0 Nm  2.1 Nm  2.1 Nm  2.2 Nm  2.2 Nm  2.3 Nm  2.4 Nm  2.5 Nm	Swivel angle	90 deg
Fitting connection conforms to standard  SO 5211  Cushioning  Any  Mode of operation  Design structure  Position detection  No  Closing direction  No  Safety Integrity Level (SIL)  Operating pressure MPa  Operating pressure WPa  On 1 0.84 MPa  Operating pressure  1 8.4 bar  Nominal operating pressure  Nominal operating pressure  1 8.4 bar  Nominal operating pressure  Nominal operating pressure  1 8.4 bar  Nominal operating pressure  Now (See declaration of conformity)  To UK EX instructions  Cettificate issuing department  TÜV Nord 212170801  ATEX category Cas  ATEX category Ust  II 20  Explosion ignition protection type Gas  Explosion ignition protection type Gas  Explosion ignition protection type Bust  Explosion ignition protection type Bust  Explosion ignition protection type Gas	End-position adjustment range at 0°	-1 9 deg
Cushioning Assembly position Any Mode of operation Design structure Yoke kinematics Position detection No Closing direction Right-closing Voll/VDE 3845 (NAMUR) Safety Integrity Level (SIL) Operating pressure MPa O1 0.84 MPa Operating pressure MPa O1 0.84 MPa Operating pressure Nominal operating pressure  O.56 MPa S.6 bar Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) UKCA marking (see declaration of conformity) UKCA marking (see declaration of conformity)  UKCA marking (see declaration of conformity)  To UK EX instructions Certificate issuing department TÜV Nord 212170801 ATEX category Dust Explosion ignition protection type Gas Explosion ignition protection type Gas Explosion-proof ambient temperature Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operating possible (subsequently required for further operation) Corrosion resistance classification CRC PWIS conformity VDMA24364-B1/B2-L Ambient temperature 10-20 80 °C Torque at rated operating pressure with 90° swivel angle Torque at rated operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at the operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at the operating pressure with 90° swivel angle Torque at the operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal opera	Shaft connection depth	13.2 mm
Assembly position Mode of operation Design structure Position detection No Closing direction No Closing direction No Safety Integrity Level (SIL) Product can be used in SRP/CS up to SIL 2 low demand Operating pressure MPa O.1 0.84 MPa Operating pressure Nominal operating pressure 1 8.4 bar Nominal operating pressure Nominal operating department TÜV Nord 212170801 TEX category Gas ATEX category Dust Nord 212170801 TEX category Dust Nord 212170801 TEX pression ignition protection type Gas Explosion ignition protection type Gas Explosion ignition protection type Gas Explosion ignition protection type Bust Explosion proof ambient temperature -20°C c = Tax += 60°C Operating and pilot medium Lubricated operating nossible (subsequently required for further operating) Note on operating and pilot medium Lubricated operating pressure with 90° swivel angle Torque at rated operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle The operating forque	Fitting connection conforms to standard	ISO 5211
Mode of operation         double-acting           Design structure         Yoke kinematics           Position detection         No           Closing direction         right-Loising           Valve connection conforms to standard         VDI/VDE 3845 (NAMUR)           Safety Integrity Level (SIL)         Product can be used in SRP/CS up to SIL 2 low demand           Operating pressure MPa         0.1 0.84 MPa           Operating pressure         1 8.4 bar           Nominal operating pressure         1 8.4 bar           Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)         1 Hz           CE mark (see declaration of conformity)         to EU directive explosion protection (ATEX)           UKCA marking (see declaration of conformity)         To UK EX instructions           Certificate issuing department         TUV Nord 212170801           ATEX category Gas         II 2G           ATEX category Dust         II 2D           Explosion ignition protection type Gas         Ex h IIC T6T3 Gb X           Explosion ignition protection type Gas         Ex h IIC T6T3 Gb X           Explosion-proof ambient temperature         20°C < Ta < ← +60°C           Operating medium         Compressed air in accordance with ISO8573-1:2010 [7:4:4]           Note on operating and pilot medium         Lubricated operating pressure an	Cushioning	No cushioning
Mode of operation         double-acting           Design structure         Yoke kinematics           Position detection         No           Closing direction         right-Loising           Valve connection conforms to standard         VDI/VDE 3845 (NAMUR)           Safety Integrity Level (SIL)         Product can be used in SRP/CS up to SIL 2 low demand           Operating pressure MPa         0.1 0.84 MPa           Operating pressure         1 8.4 bar           Nominal operating pressure         1 8.4 bar           Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)         1 Hz           CE mark (see declaration of conformity)         to EU directive explosion protection (ATEX)           UKCA marking (see declaration of conformity)         To UK EX instructions           Certificate issuing department         TUV Nord 212170801           ATEX category Gas         II 2G           ATEX category Dust         II 2D           Explosion ignition protection type Gas         Ex h IIC T6T3 Gb X           Explosion ignition protection type Gas         Ex h IIC T6T3 Gb X           Explosion-proof ambient temperature         20°C < Ta < ← +60°C           Operating medium         Compressed air in accordance with ISO8573-1:2010 [7:4:4]           Note on operating and pilot medium         Lubricated operating pressure an	Assembly position	Any
Design structure Position detection No Closing direction No Closing direction Valve connection conforms to standard VDI/VDE 3845 (NAMUR) Valve connection conforms to standard VDI/VDE 3845 (NAMUR) Safety Integrity Level (SIL) Product can be used in SRP/CS up to SIL 2 low demand Operating pressure 0.1 0.84 MPa Operating pressure 1 8.4 bar Nominal operating pressure 0.56 MPa 5.6 bar Max. swivel frequency at 0.6 MPa (6 bar, 87 ps)) 1 Hz CE mark (see declaration of conformity) to EU directive explosion protection (ATEX) UEXC marking (see declaration of conformity) To UK EX instructions Certificate issuing department TÜV Nord 212170801 ATEX category Gas 11 2G ATEX category Dust 11 2D Explosion ignition protection type Gas Ex h IIC T8 T3 Gb X Explosion ignition protection type Bust Explosion ignition protection type Bust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Bust Explosion-proof ambient temperature 20°C ← Ta ← +60°C Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium operation) Corrosion resistance classification CRC 3 - High corrosion stress  VDMA24364-B1/B2-L Ambient temperature Torque at rated operating pressure and 0° rotation angle Torque at rated operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° sw	Mode of operation	double-acting
Tight-closing direction   Tight-closing	Design structure	-
Valve connection conforms to standard  VDI/VDE 3845 (NAMUR)  Safety Integrity Level (SIL)  Product can be used in SRP/CS up to SIL 2 low demand  Operating pressure MPa  0.1 0.84 MPa  Operating pressure  1 8.4 bar  Nominal operating pressure  0.56 MPa  5.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  1 Hz  CE mark (see declaration of conformity)  to EU directive explosion protection (ATEX)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  Explosion ignition protection type Gas  Explosion ignition protection type Dust  Explosion-proof ambient temperature  20°C ← Ta ← 1-60°C  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Corrosion resistance classification CRC  3 - High corrosion stress  PMS Conformity  Ambient temperature  20 80°C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 90° swivel angle  Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle  750 g  Shaft connection  T11	Position detection	No
Valve connection conforms to standard  VDI/VDE 3845 (NAMUR)  Safety Integrity Level (SIL)  Product can be used in SRP/CS up to SIL 2 low demand  Operating pressure MPa  0.1 0.84 MPa  Operating pressure  1 8.4 bar  Nominal operating pressure  0.56 MPa  5.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  1 Hz  CE mark (see declaration of conformity)  to EU directive explosion protection (ATEX)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  Explosion ignition protection type Gas  Explosion ignition protection type Dust  Explosion-proof ambient temperature  20°C ← Ta ← 1-60°C  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Corrosion resistance classification CRC  3 - High corrosion stress  PMS Conformity  Ambient temperature  20 80°C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 90° swivel angle  Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle  750 g  Shaft connection  T11	Closing direction	right-closing
Safety Integrity Level (SIL) Operating pressure MPa O.1 0.84 MPa Operating pressure Nominal operating pressure O.56 MPa 5.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  CE mark (see declaration of conformity) UKCA marking (see declaration of conformity)  TO UK EX instructions Certificate issuing department TÜV Nord 212170801  ATEX category Gas II 2G  ATEX category Dust Explosion ignition protection type Gas Ex h IIC T6T3 Gb X  Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Ust Explosion proof ambient temperature Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 3 - High corrosion stress  PWIS conformity VDMA24364-B1/B2-L Ambient temperature Orque at rated operating pressure and 0° rotation angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque with the torque The operating torque of the actuator must not be higher	<u> </u>	
Operating pressure MPa Operating pressure 1 8.4 bar Nominal operating pressure 0.56 MPa 5.6 bar Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) 1 Hz CE mark (see declaration of conformity) UKCA marking (see declaration of conformity) To UK EX instructions Certificate issuing department TÜV Nord 212170801 ATEX category Gas II 2G ATEX category Gus Exh IIC T6T3 Gb X Explosion ignition protection type Gas Exh IIC T6T3 Gb X Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Iust Explosion ignition protection type Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 3 - High corrosion stress PWIS conformity VDMA24364-B1/B2-L Ambient temperature -20 80 °C Torque at rated operating pressure with 50° swivel angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure w	Safety Integrity Level (SIL)	
Operating pressure  O.56 MPa 5.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  I Hz  CE mark (see declaration of conformity)  Ito EU directive explosion protection (ATEX)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  Explosion ignition protection type Gas  Explosion ignition protection type Gas  Explosion ignition protection type Dust  Explosion ignition protection type Dust  Explosion ignition protection type Dust  Explosion-proof ambient temperature  2-20°C ← Ta ← ← 60°C  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80°C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  Shaft connection  Til	, , , ,	· · · · · · · · · · · · · · · · · · ·
Nominal operating pressure  0.56 MPa 5.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  1 Hz  CE mark (see declaration of conformity)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Gas  Ex h IIC T6T3 Gb X  Explosion ignition protection type Gas  Ex h IIC T6T3 Gb X  Explosion ignition protection type Dust  Explosion proof ambient temperature  20° ⟨ ← Ta ⟨ ← + 60° ⟨ C  Operating medium  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  VDMA24364-B1/B2-L  Ambient temperature  20° 80° ⟨ C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle of the mounting flange and of the coupling.  Figure 1.11		1 8.4 bar
S.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 psi)  L Hz  CE mark (see declaration of conformity)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  ATEX category Gus  Explosion ignition protection type Gas  Explosion ignition protection type Bust  Explosion-proof ambient temperature  -20°C ← Ta ← +60°C  Operating medium  Corrosion resistance classification CRC  3 · High corrosion stress  VDMA24364-B1/B2-L  Ambient temperature  -20 · C → 80 ° C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Note about the torque  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  Shaft connection  111	, , ,	0.56 MPa
To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  TIU C TT3 Gb X  Explosion ignition protection type Gas  Ex h IIC T6T3 Gb X  Explosion ignition protection type Dust  Explosion ignition protection type Dust  Explosion-proof ambient temperature  Operating medium  Note on operating and pilot medium  Corrosion resistance classification CRC  TOWNA24364-B1/B2-L  Ambient temperature  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  Shaft connection  Til		5.6 bar
CE mark (see declaration of conformity)  UKCA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  Explosion ignition protection type Gas  Ex h IIC T6T3 Gb X  Explosion ignition protection type Dust  Explosion ignition protection type Dust  Explosion-proof ambient temperature  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  Ambient temperature  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  Shaft connection  Til	Max. swivel frequency at 0.6 MPa (6 bar. 87 psi)	1 Hz
UKCA marking (see declaration of conformity)  Certificate issuing department  TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  Explosion ignition protection type Gas  Explosion ignition protection type Dust  Explosion-proof ambient temperature  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Corrosion resistance classification CRC  PWIS conformity  Ambient temperature  Orque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Note about the torque  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  Shaft connection  Til		to EU directive explosion protection (ATEX)
TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  II 2D  Explosion ignition protection type Gas  Ex h IIC T6T3 Gb X  Explosion-proof ambient temperature  20° C ← Ta ← +60° C  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  Ambient temperature  7.20 80° C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle  Product weight  750 g  Shaft connection	, , , , , , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·
ATEX category Gas  ATEX category Dust  Explosion ignition protection type Gas  Explosion ignition protection type Dust  Explosion-proof ambient temperature  Operating medium  Note on operating and pilot medium  Corrosion resistance classification CRC  PWIS conformity  Ambient temperature  Torque at rated operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  Shaft connection  II 2D  Ex h III C T6T3 Gb X  Ex h I		
ATEX category Dust  Explosion ignition protection type Gas  Ex h IIC T6T3 Gb X  Explosion ignition protection type Dust  Ex h IIC T85°CT200°C Db X  Explosion-proof ambient temperature  -20°C <= Ta <= +60°C  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80°C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  To g  To	_ ,	13.11.11.11.11.11.11.11.11.11.11.11.11.1
Explosion ignition protection type Gas  Ex h IIC T6T3 Gb X  Explosion ignition protection type Dust  Ex h IIIC T85°CT200°C Db X  Explosion-proof ambient temperature  -20°C <= Ta <= +60°C  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80°C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  T50 g  Shaft connection  T11		
Explosion ignition protection type Dust  Explosion-proof ambient temperature  -20°C ⟨= Ta ⟨= +60°C  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  7.5 Nm  Torque at nominal operating pressure with 90° swivel angle  11.3 Nm  Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		
Explosion-proof ambient temperature  -20°C (= Ta <= +60°C  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		1
Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		
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operation)  Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection	,	· · · · · · · · · · · · · · · · · · ·
Corrosion resistance classification CRC  3 - High corrosion stress  PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle  Torque at nominal operating pressure with 50° swivel angle  Torque at nominal operating pressure with 90° swivel angle  Torque at nominal operating pressure with 90° swivel angle  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection	Troce on operating and procent and	
PWIS conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11	Corrosion resistance classification CRC	' '
Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle  15 Nm  Torque at nominal operating pressure with 50° swivel angle  7.5 Nm  Torque at nominal operating pressure with 90° swivel angle  Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		
Torque at rated operating pressure and 0° rotation angle Torque at nominal operating pressure with 50° swivel angle Torque at nominal operating pressure with 90° swivel angle Torque at nominal operating pressure with 90° swivel angle The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight Torque at rated operating pressure with 50° swivel angle The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  O.56 l  Torque at rated operating pressure with 50° swivel angle The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  O.56 l  Torque at nominal operating pressure with 50° swivel angle The operating torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be higher than the maximum permissible torque of the actuator must not be hig	,	1- 1
Torque at nominal operating pressure with 50° swivel angle  7.5 Nm  Torque at nominal operating pressure with 90° swivel angle  Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		
Torque at nominal operating pressure with 90° swivel angle  Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		
Note about the torque  The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight  750 g  Shaft connection  T11		
maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight 750 g  Shaft connection 711		-
size of the mounting flange and of the coupling.  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight 750 g  Shaft connection 711	Hote about the torque	, , ,
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight 750 g  Shaft connection 711		
Product weight 750 g Shaft connection T11	Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	
Shaft connection T11	<u> </u>	750 g
	<u> </u>	
	Pneumatic connection	G1/8



Feature	Value
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	FPM
	NBR
	PUR
Material housing	Wrought Aluminium alloy
Material screws	High alloy steel
Material shaft	High alloy steel
Material number for shaft	1.4305