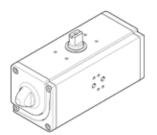
## semi-rotary drive DAPS-1440-090-R-F14 Part number: 549669

**FESTO** 

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





## **Data sheet**

Flange hole pattern  Flange hole pattern  Flange hole pattern  Swivel angle  90 deg  19 deg  Shaft connection adjustment range at 0°  19 deg  Shaft connection depth  38.5 mm  Fitting connection conforms to standard  Usbioning  No cushioning  No cushioning  No double-acting  Design structure  Yoke kinematics  Position detection  No  Closing direction  Fight-closing  VolVPUS 3845 (NAMUR)  Safety Integrity Level (SIL)  Operating pressure MPa  Operating pressure MPa  Operating pressure  1 8.4 bar  Nominal operating pressure  1 8.4 bar  Nominal operating pressure  No Shaft See declaration of conformity)  UKCA marking (see declaration of conformity)  TO WA C212170801  ATEX category Gas  ATEX category Gas  ATEX category Gas  Exhilic 16 13 Gb X  Explosion ingnition protection type Dust  Explosion ingnition protection type Dust  Explosion protention type  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and plot medium  Lubricated operating and persure and 0° rotation angle  Tory Not 212170801  Later and 18.5 Gb X  Later and 18.5	Feature	Value
Swivel angle  Fide position adjustment range at 0°  19 deg  Shaft connection depth  38.5 mm  Fitting connection conforms to standard  Liso 5211  Cushioning  Ansy  Mode of operation  Any  Mode of operation  Any  Mode of operation  No  Closing direction  Voll/VDE 3845 (NAMUR)  Safety Integrity Level (SiL)  Operating pressure  No  Operating pressure BPA  Operating pressure  No  No  One of the deciration of the standard  Liso 5.6 bar  Max. swivel frequency at 0.6 MPa (6 bar, 87 ps))  ATEX category Gas  Lizo AEEX category Dust  Explosion ignition protection type Gas  Explosion ignition protestion type Gas  Explosion ignition protection type Gas  Explosion ignition protestion type Gas  Explosion ignition protection type	Size of actuator	1440
End-position adjustment range at 0° 3.8.5 mm  Fitting connection conforms to standard  Sushioning  No cushioning  No cushioning  Any  Mode of operation  Besign structure  Yoke kinematics  Position detection  No  Closing direction  No  Closing direction  Voll/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 directive explosion protection (ATEX)  WEXA marking (see declaration of conformity)  To UK EX instructions  Certificate issuing department  TUV Nord 212170801  ATEX category Gas  ATEX category Oust  Explosion ignition protection type Gas  Explosion ignition protection type Gas  Explosion ignition protection type Gas  Explosion ignition protection type Dust  Explosion ignition protection type Dust  Explosion medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating pressure with 90° swivel 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 o'  Product weight  Fixed twenty on the description of the coupling.  Salt consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle o'  Product weight  Fixed tweight  Fixed tweight  Fixed tweight  Fixed trees on the structure 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.  Salt consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle o'  Product weight  Fixed tweight  Fixed tweight  Fixed tweight  Fixed tweight  Fixed tweight  Fixed tweight  Fixed tacking the structure 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	Flange hole pattern	F14
Shaft connection depth  38.5 mm  Fitting connection conforms to standard  150 5211  Cushioning  Assembly position  Any  Mode of operation  Design structure  Yoke kinematics  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 BPA  Operating pressure  1 8.4 bar  Operating pressure with 50° service  1 12G  Carrificate issuing department  To WK EX instructions  Ex h III C5  Explosion ignition protection type Gas  Explosion	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 frequency at 0.6 MPa (6 bar, 87 psi)  Ceff ficticate issuing department  TÜV Nord 212170801  ATEX category Ous  Explosion ignition protection type Gas  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  Explosion ignit	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.66 bar Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) LE mark (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 Gus Explosion-proof ambient temperature Operating medium Lubricated operating medium Lubricated operating nossible (subsequently required for further operation) Corrosion resistance classification CRC PWIS conformity VDMA24364-B1/B2-L Ambient temperature Torque at rate 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 a nominal operating pressure with 90° swivel angle Torque at a nominal operating pressure with 90° swivel angle Torque at the operating program 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.  Six 100 MPA (SA DA PA) Shaft connection Table developed the mounting flange and of the coupling.	Shaft connection depth	38.5 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 Obust Nord 212170801 TEX category Dust Explosion ignition protection type Gas Explosion ignition protection type Bust Explosion ignition protection type Dust Explosion proof ambient temperature -20°C c = 1a ← +60°C Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operating pressure with Go's wivel angle Torque at rated operating pressure and 0° rotation angle 1,440 Nm 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	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         0.10.84 MPa           Operating pressure         18.4 bar           Nominal operating pressure         18.4 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 Bust         Ex h IIC T8T3 Cb 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 and o	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         0.10.84 MPa           Operating pressure         18.4 bar           Nominal operating pressure         18.4 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 Bust         Ex h IIC T8T3 Cb 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 and o	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 II 26 ATEX category Dust II 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 1,440 Nm Torque at nominal operating pressure with 50° swivel 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 ps)) per cycle 0°-nominal swivel angle-0° Product weight Shaft connection  736		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  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  Shaft connection  Ta6	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  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  Shaft connection  Ta6	Closing direction	right-closing
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	Valve connection conforms to standard	
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)	Product can be used in SRP/CS up to SIL 2 low demand
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  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  136	Operating pressure MPa	· · · · · · · · · · · · · · · · · · ·
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 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  Note about the torque  Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle or Product weight  Shaft connection  136		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  1 36	, , ,	0.56 MPa
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-proof ambient temperature  Operating medium  Note on operating and pilot medium  Corrosion resistance classification CRC  BYWIS 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  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  Ta6  TÜV Nord 212170801  To UK EX instructions  TUV Nord 212170801  To UK EX instructions  To UK EX instructions  To UK EX instructions  TUV Nord 212170801  To UK EX instructions  Ex l III 2G  At II 2G  At II 2G  At II 2G  At III C 16T3 Gb X  Ex h III C 76T3 Gb X  Ex h III C 76T20°C C		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  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  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operating bressure with 90° swivel angle  Torque at nominal operatin	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  Ti UK EX instructions  TÜV Nord 212170801  TUV Nord 212170801  LI 2G  Ex h IIC T6T3 Gb X  Ex		to EU directive explosion protection (ATEX)
TÜV Nord 212170801  ATEX category Gas  II 2G  ATEX category Dust  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  PWIS conformity  Ambient temperature  720 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  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  Shaft connection  Tion 221170801  Exh IIC T6T3 Gb X  Exh IIIC T6T3 Gb X  Exh	, , , , , , , , , , , , , , , , , , , ,	
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  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  I 12 D  Ex h III C T6T3 Gb X  Ex h II	= '	
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 1,440 Nm  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  Shaft connection  Ta6	_ ,	
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  1,440 Nm  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  23,400 g  Shaft connection  Ex h IIIC T6T3 Gb X  Ex h IIIC T6T200°C Db X  Ex h IIIC T6T200°C  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation) and coordinate with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation) and coordinate with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation) and coordinate with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation) and coordinate with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation) and coordinate with ISO8573-1:2010 [7:4:4]  Lubricated operation possible (subsequently required for further operation) and coordinate with ISO8573-1:2010 [7:4:4]  Lubricated operat		
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  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  23,400 g  Shaft connection  Ta 6		
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  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  720°C  1,440 Nm  720 Nm  1,080 Nm  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.		
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  23,400 g  Shaft connection  Ta6		
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  23,400 g  Shaft connection  Ta6		
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  23,400 g  Shaft connection  Ta6	,	· · ·
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  23,400 g  Shaft connection  Ta6	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 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  23,400 g  Shaft connection  T36	Corrosion resistance classification CRC	1 2
Ambient temperature  -20 80 °C  Torque at rated operating pressure and 0° rotation angle 1,440 Nm  Torque at nominal operating pressure with 50° swivel angle 720 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 23,400 g  Shaft connection 736		<u> </u>
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 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  23,400 g  Shaft connection  T36	,	1- 1
Torque at nominal operating pressure with 50° swivel angle  720 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  23,400 g  Shaft connection  736		
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  23,400 g  Shaft connection  Ta6		· ·
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  23,400 g  Shaft connection  Ta6		
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 23,400 g  Shaft connection 736		,
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 23,400 g  Shaft connection 736	Note about the torque	1
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°  Product weight 23,400 g  Shaft connection 736		
Product weight 23,400 g Shaft connection T36	Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	
Shaft connection T36	<u> </u>	23.400 g
	<u> </u>	<u> </u>
	Pneumatic connection	G1/4



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