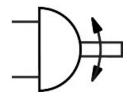
Rotary actuator DRRD-32-

Part number: 574402







General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Swivel angle Cushioning Elastic cushioning ings/pads at both ends External hydraulic cushioning ings/pads at both ends External hydraulic cushioning, soft internal hydraulic cushioning normal Mounting position Any Structural design Gear rack/pinion Max. number of intermediate positions 1 For proximity sensor Symbol Operating pressure O.2 MPa 1 MPa Operating pressure O.2 MPa 1 MPa Operating gressure O.2 MPa 1 O bar Double-acting Emarking (see declaration of conformity) Explosion protection certification outside the EU EPL Db (GB) Explosion protection certification outside the EU EPL Db (GB) EPL (b (GB) EXPLOSION prevention and protection One 1 (MEEX) Zone 1 (MEEX) Zone 2 (AIEX) | Feature | Value |
|--|---|--|
| Elastic cushioning rings/pads at both ends External hydraulic cushioning internal hydraulic cushioning soft internal hydraulic cushioning soft internal hydraulic cushioning normal. Mounting position Any Gear rack/pinion Max. number of intermediate positions 1 Position sensing For proximity sensor Poperating pressure Operating pressure Operating pressure Oboerating pressure Double-acting Emarking (see declaration of conformity) JEC marking (see declaration of conformity) JECA marking (see declaration of conformity) JECA marking (see declaration of conformity) Explosion protection certification outside the EU EPL Db (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 1 (IATEX) Zone 1 (IATEX) Zone 2 (ATEX) Zone 21 (ATEX) | Size | 32 |
| External hydraulic cushioning Internal hydraulic cushioning, soft Internal hydraulic cushioning, soft Internal hydraulic cushioning normal Mounting position Any Gear rack/pinion Max. number of intermediate positions 1 Position sensing For proximity sensor Operating pressure O.2 MPa 1 MPa Operating pressure Operating pressure Obuble-acting Examilia (see declaration of conformity) Explosion protection certification outside the EU EPI Db (GB) Explosion protection certification outside the EU Explosion prevention and protection Zone 1 (AFEX) Zone 2 (AF | Swivel angle | 180 deg |
| Gear rack/pinion Max. number of intermediate positions 1 Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure Deperating pressure Object of the state | Cushioning | External hydraulic cushioning Internal hydraulic cushioning, soft |
| Max. number of intermediate positions Position sensing For proximity sensor O0991265 Operating pressure O.2 MPa 1 MPa Operating pressure Obuble-acting CE marking (see declaration of conformity) DixCA marking (see declaration of conformity) ACC. To UK EX instructions EPL Db (GB) EPL Gb (GB) EPL Gb (GB) EXXplosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) EXXplosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) ATEX category gas Il 2G ATEX category for dust Il 2D EXX flict 14 Gb EXX flict 14 Gb EXX flict 15 Comparison EXX flict 16 C | Mounting position | Any |
| Position sensing For proximity sensor Symbol 00991265 Operating pressure 0.2 MPa 1 MPa Operating pressure 2 bar 10 bar Double-acting Emarking (see declaration of conformity) as per EU explosion protection directive (ATEX) JAKCA marking (see declaration of conformity) acc. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) EXPLOSION prevention and protection Zone 1 (ATEX) Zone 1 (ATEX) Zone 1 (MEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) ATEX category gas Il 2G ATEX category for dust Il 2D Explosion protection for gas Ex h IIC T4 Gb Explosion protection for dust Explosion protection for dust Explosion protection for dust Explosion protection for dust Explosive ambient temperature -10°C (= Ta (= +60°C) Operating medium Operating medium Operating medium Operation with oil lubrication possible (required for further use) AMBIC (PMIS) conformity VDMA24364 zone III Ambient temperature -10°C 60°C Theoretical torque at 6 bar | Structural design | Gear rack/pinion |
| Symbol Operating pressure Operating pressure Operating pressure Operating pressure Obuble-acting Emarking (see declaration of conformity) Antiput States of States Operating pressure Operating States of States Operating MPa Operating States Operating MPa Operating MPa Operating MPa Operating States Operating MPa Operating MPa Operating MPa Operating States Operating MPa Operating MP | Max. number of intermediate positions | 1 |
| Deperating pressure O.2 MPa 1 MPa Deperating pressure 2 bar 10 bar Double-acting as per EU explosion protection directive (ATEX) JKCA marking (see declaration of conformity) acc. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 21 (UKEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D | Position sensing | For proximity sensor |
| Deperating pressure 2 bar 10 bar Double-acting as per EU explosion protection directive (ATEX) JKCA marking (see declaration of conformity) acc. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) Explosion prevention and protection Zone 1 (IUKEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 21 (MATEX) Zone 21 (MATEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D II 3D II 3D II 4 4B II 2D II 3D II 4 4B II 5 4B II 5 4B II 5 5 6B II 6 6B II 7 6 6B II 7 6 6B II 8 7 6B I | Symbol | 00991265 |
| Double-acting Examing (see declaration of conformity) Double-acting as per EU explosion protection directive (ATEX) JKCA marking (see declaration of conformity) acc. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D | Operating pressure | 0.2 MPa 1 MPa |
| as per EU explosion protection directive (ATEX) JKCA marking (see declaration of conformity) acc. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 21 (ATEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D If UIC T4 Gb Explosion protection for gas Ex h IIC T4 Gb Explosive ambient temperature -10°C <= Ta <= +60°C Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -10°C 60°C Theoretical torque at 6 bar 10.1 Nm | Operating pressure | 2 bar 10 bar |
| JKCA marking (see declaration of conformity) acc. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 2 (ATEX) Zone 21 (MEX) Zone 21 (MEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D Explosive ambient temperature Too C (= Ta <= +60°C) Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media ABS (PWIS) conformity VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar I LE D To C 60 °C Theoretical torque at 6 bar | Mode of operation | Double-acting |
| Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (WEX) Zone 21 (WEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D If ye of ignition protection for gas Ex h IIC T4 Gb Explosive ambient temperature -10°C (= Ta <= +60°C Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Ambient temperature -10°C 60°C Theoretical torque at 6 bar IVEN DE TOR TO SET TO | CE marking (see declaration of conformity) | as per EU explosion protection directive (ATEX) |
| EPL Gb (GB) Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 21 (UKEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D Type of ignition protection for gas Ex h IIC T4 Gb Explosive ambient temperature -10°C <= Ta <= +60°C Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media ABS (PWIS) conformity Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar Do a 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) II 2D Explosive and pilot media Deparation with oil lubrication possible (required for further use) VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar | UKCA marking (see declaration of conformity) | acc. to UK EX instructions |
| Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (UKEX) Zone 22 (ATEX) ATEX category gas II 2G ATEX category for dust II 2D Type of ignition protection for gas Ex h IIC T4 Gb Explosive ambient temperature -10°C (= Ta (= +60°C) Deprating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) ABS (PWIS) conformity VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar Tourn and an | Explosion protection certification outside the EU | , , |
| ATEX category for dust Type of ignition protection for gas Ex h IIC T4 Gb Explosive ambient temperature Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Ambient temperature Operation with oil lubrication possible (required for further use) VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar II 2D Ex h IIC T4 Gb Ex h IIC T120°C Db Ex h IIIC T120°C Db Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) VDMA24364 zone III -10 °C 60 °C Theoretical torque at 6 bar 10.1 Nm | Explosion prevention and protection | Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) |
| Type of ignition protection for gas Ex h IIC T4 Gb Ex plosive ambient temperature -10°C <= Ta <= +60°C Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium formation on operating and pilot media Ambient temperature -10°C 60°C Cheoretical torque at 6 bar Ex h IIC T4 Gb Ex h IIC T120°C Db -10°C <= Ta <= +60°C Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) VDMA24364 zone III -10°C 60°C Theoretical torque at 6 bar 10.1 Nm | ATEX category gas | II 2G |
| Fype of (ignition) protection for dust Ex h IIIC T120°C Db -10°C <= Ta <= +60°C Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar In 10.1 Nm | ATEX category for dust | II 2D |
| Explosive ambient temperature -10°C <= Ta <= +60°C Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Ambient temperature -10°C <= Ta <= +60°C Operation with oil lubrication possible (required for further use) VDMA24364 zone III -10°C 60°C Theoretical torque at 6 bar 10.1 Nm | Type of ignition protection for gas | Ex h IIC T4 Gb |
| Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar 10.1 Nm | Type of (ignition) protection for dust | Ex h IIIC T120°C Db |
| nformation on operating and pilot media Operation with oil lubrication possible (required for further use) VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar 10.1 Nm | Explosive ambient temperature | -10°C <= Ta <= +60°C |
| ABS (PWIS) conformity VDMA24364 zone III Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar 10.1 Nm | Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature -10 °C 60 °C Theoretical torque at 6 bar 10.1 Nm | Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Theoretical torque at 6 bar 10.1 Nm | LABS (PWIS) conformity | VDMA24364 zone III |
| ' | Ambient temperature | -10 °C 60 °C |
| Permissible mass moment of inertia 0.15 kgm² 2.6 kgm² | Theoretical torque at 6 bar | 10.1 Nm |
| | Permissible mass moment of inertia | 0.15 kgm² 2.6 kgm² |

| Feature | Value |
|----------------------|---|
| Type of mounting | With through-hole With internal thread |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Drive shaft material | Tempered steel |
| Cover material | Wrought aluminum alloy Anodized |
| Seals material | NBR TPE-U(PU) |
| Housing material | Smooth anodized |