ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet

# GD480F07F10 INOX

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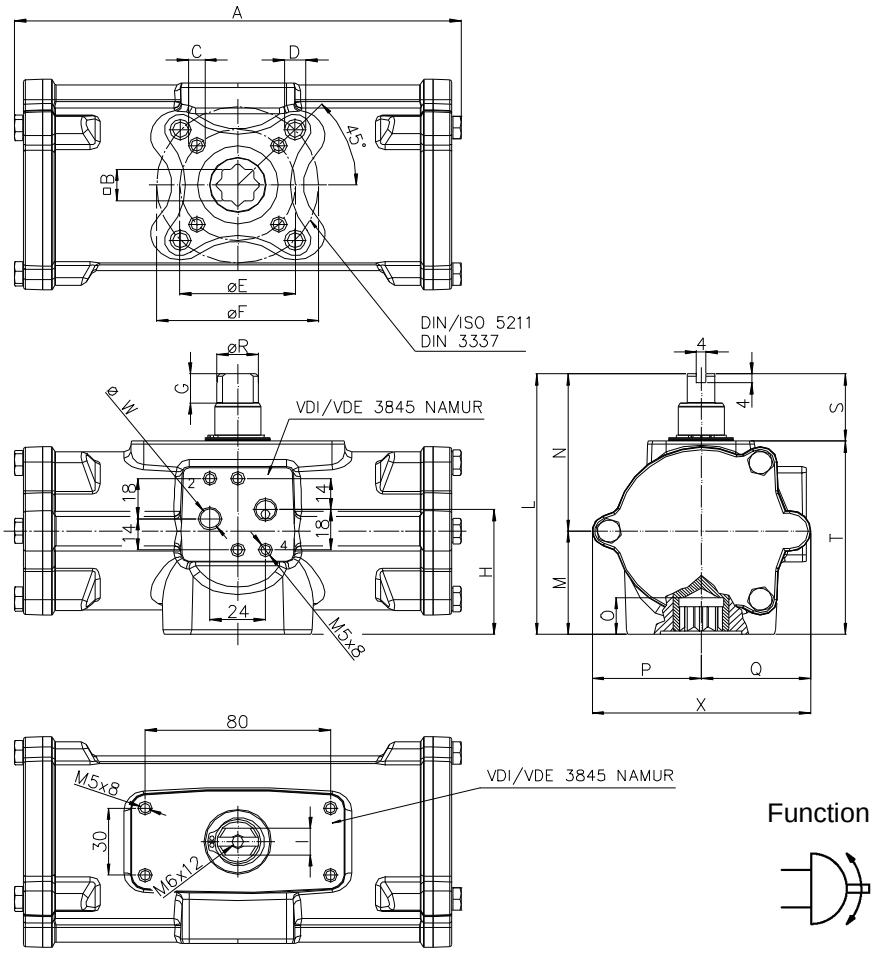
No guarantee for accuracy.
Older data sheets are invalid

COMPANY WITH MANAGEMENT SYSTEM CERTIFIED BY DNV GL
= ISO 9001 =
= ISO 14001 =




Function



| Ref. | Dimensions (mm) |
|---|---|
| Flange | F07 - F10 |
| C x depth | M8x14 |
| D x depth | M10x16 |
| E | 70 |
| F | 102 |
| B | 22 |
| O | 24.3 |
| A | 298.4 |
| G | 19 |
| H (bore) | 78 |
| I | 19 |
| L | 160 |
| M | 68 |
| N | 92 |
| P | 71 |
| Q | 68.7 |
| R | 29 |
| S | 30 |
| T | 130 |
| X | 139.7 |
| W | 1/8" GAS |
| Ancillaries Attachment | AA2 |

**Double Acting Actuators - Output Torque related to rotation angle , in Nm**
**( 0°valve closed 90°valve open )**

| ROTATION ANGLE | Air pressure supply in bar | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 2,5 | 3 | 4 | 5 | 5,6 | 6 | 7 | 8 |
| 0° | 214.3 | 257.1 | 342.9 | 428.6 | 480.0 | 514.3 | 600.0 | 685.7 |
| 50° | 107.1 | 128.6 | 171.4 | 214.3 | 240.0 | 257.1 | 300.0 | 342.9 |
| 90° | 160.7 | 192.9 | 257.1 | 321.4 | 360.0 | 385.7 | 450.0 | 514.3 |

**Technical Data**

| Max Pressure | ** Min Pressure | Rotation | Stroke Adjustment | Screw Stroke Adjustment | *Moving time (sec.) | | Operating temperature (°C) |
|---|---|---|---|---|---|---|---|
| | | | | | Opening | Closing | |
| 8.4 bar | 1 bar | 92° -1° +91° | - | - | 0.46 | 0.40 | Standard –20°C +80°C |

| Weight Kg | Chamber Ø (mm) | Air volume L/cycle | Maximum flange torque values |
|---|---|---|---|
| 9.5 | 100 | 2.46 | F07 = 250 Nm<br>F10 = 500 Nm |

*The moving time could vary on different operating and installation factors .

**Operating Medium**
The operating medium shall have a dew point equal to – 20 °C or, to be at least, 10 °C below the ambient temperature (ISO 8573-1, Class 3).
The maximum particle size shall not exceed 40 µm (ISO 8573-1, Class 5).

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