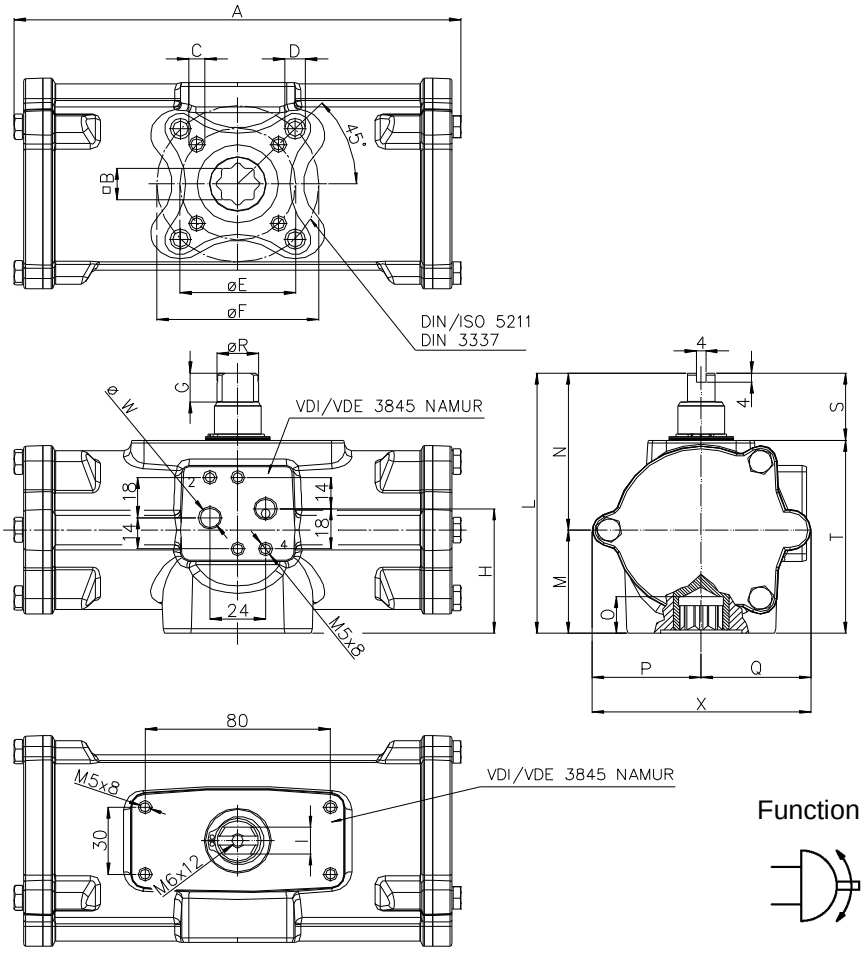
ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet

GD120F05F7 INOX

Modification reserved. Rev.date 11.2025.
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	F05 - F07
C x depth	M6x10
D x depth	M8x14
E	50
F	70
B	14
O	16.3
A	192.9
G	13
H (bore)	55.7
I	12
L	116.5
M	46.1
N	70.4
P	47
Q	47.4
R	18
S	30
T	86.5
X	94.4
W	1/8" GAS
Ancillaries Attachment	AA0

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°	53.6	64.3	85.7	107.1	120.0	128.6	150.0	171.4
50°	26.8	32.1	42.9	53.6	60.0	64.3	75.0	85.7
90°	40.2	48.2	64.3	80.4	90.0	96.4	112.5	128.6

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°	-	-	0.15	0.15	Standard –20°C +80°C

Weight Kg	Chamber Ø (mm)	Air volume L/cycle	Maximum flange torque values
3.3	63	0.61	F05 = 125 Nm F07 = 250 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).

ACTUATECH S.p.A.
Via S. Lorenzo, 70, 25069 Villa Carcina BS – ITALY Tel. (+39) 0308908142 Fax (+39) 0308908143
http://www.actuatech.com e-mail: actuatech@actuatech.com