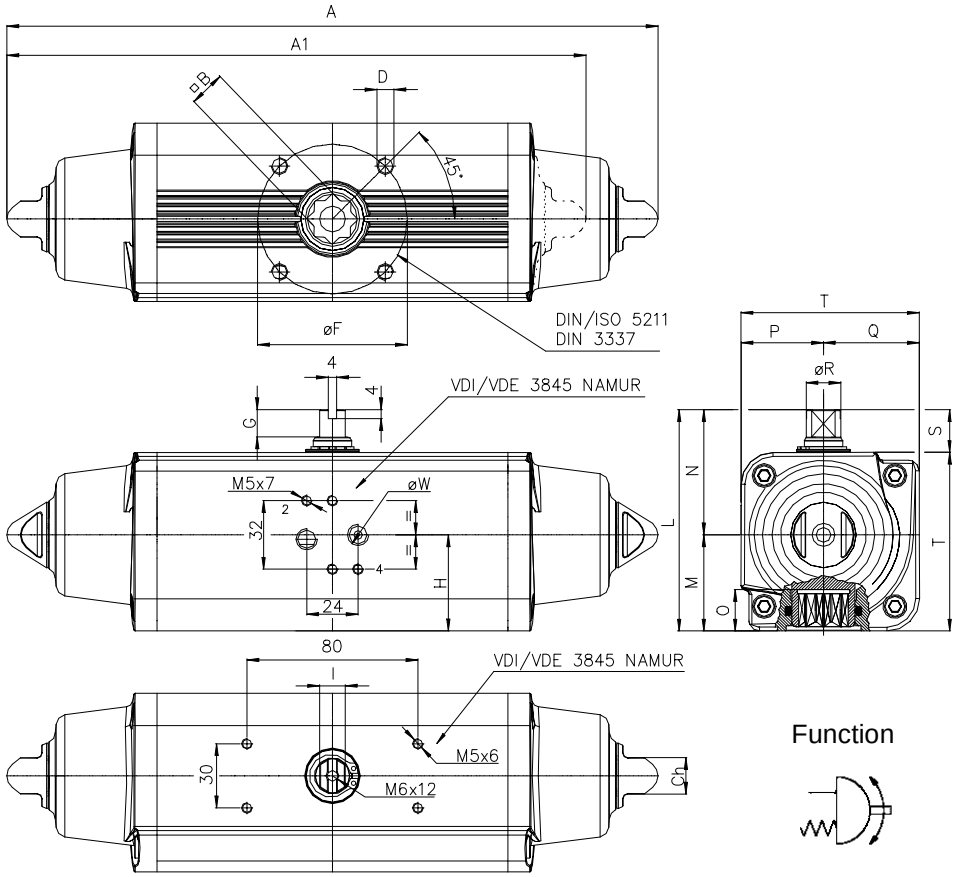
ACTUATECH
ACTUATOR TECHNOLOGY

Actuator datasheet
GS720F12

Modification reserved. Rev.date 05.2021.
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	F12
D x depth	M12x18
F	125
B	36
O	38.5
A	798
G	19.5
H (bore)	86.5
I	27
L	216
M	101.5
N	114.5
P	84.5
Q	101.5
R	41
S	30
T	186
W	1/4" GAS
Ch	36
Ancillaries Attachment	AA2

Spring return Actuators Normally Closed (N.C.)- Output Torque related to rotation angle , in Nm
(0°valve closed 90° valve open)

Spring Torque				Air pressure supply in bar																														
				2,4			2,8			3			3,5			4,2			5			5,6			6			7			8		
SIZE	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°	0°	50°	90°
2,8	240.0	180.0	360.0	274.3	128.6	154.3	360.0	180.0	240.0	402.9	205.7	282.9	510.0	270.0	390.0	660.0	360.0	540.0																		
3,5	300.0	225.0	450.0							342.9	160.7	192.9	450.0	225.0	300.0	600.0	315.0	450.0	771.4	417.9	621.4	900.0	495.0	750.0												
4,2	360.0	270.0	540.0										390.0	180.0	210.0	540.0	270.0	360.0	711.4	372.9	531.4	840.0	450.0	660.0	925.7	501.4	745.7	1140	630.0	960.0	1354	758.6	1174			
5,6	480.0	360.0	720.0																591.4	282.9	351.4	720.0	360.0	480.0	805.7	411.4	565.7	1020	540.0	780.0	1234	668.6	994.3			

Technical Data

Max Pressure	** Min Pressure	Rotation	Stroke Adjustment	Screw Stroke Adjustment	*Moving time (sec.)		Operating temperature (°C)
					Opening	Closing	
8.4 bar	2.4 bar	92° -1° +91°	10 °	For 1° drive Need 3/4 turn screw	2.2	2.5	Standard –20°C +80°C High temperature –20°C +150°C Low temperature –50°C +60°C

Weight Kg	Chamber Ø (mm)	Air volume L/cycle	Maximum flange torque values
33	145	4.25	F14 = 2000 Nm

Spring return Actuator with spring force 2.8 , is manufactured with only one spring cap and normal end cap (available only in standard version).	A1	Weight Kg
	683	26.2

*The moving time could vary on different operating and installation factors.
**Attention: for “High Temperature” and “Low Temperature” version, the Min Pressure is 3.5 bar.

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 85731, Class 3).The maximum particle size shall not exceed 40 µm (ISO 8573-1, Class 5).

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