## Linear Actuator with Fail-Safe Function

## PSF



Approx. weight: 5.6 kg without accessories

## Spring Return Function

2 kN Minimum Force $)^{1}$

## $2 \mathrm{~mm} / \mathrm{s}$

Operating speed

## 5 - max. 40 mm

Stroke

## Positioner integrated

Modulating Actuator
Class C
acc. EN ISO 22153
Enclosure IP65
EN 60529

| Operating speed | $2 \mathrm{~mm} / \mathrm{s}$ (motor operation or failsafe operation)³) |  |
| :---: | :---: | :---: |
| Power Supply [V] | 100-240 VAC 1~ 24 VAC/DC |  |
| Frequency [Hz] | 50-60 50-60 | $\checkmark$ |
| Nominal Current [A] | 0.18-0.36 1.8/1.1 |  |
| Maximum Current [A] | 0.18-0.36 1.8/1.1 | $\bigcirc$ |
| Power Consumption ) ${ }^{2}$ [W] | 25 25 | $\bigcirc$ |
| Duty Cycle IEC 60034-1,8 | S2 $30 \mathrm{~min} / \mathrm{S} 450 \%$ ED - 1200c/h |  |
| Standard | Description | + |
| Ambient Temperature [ $\left.{ }^{\circ} \mathrm{C}\right]$ | -10 to $+60^{\circ} \mathrm{C}$ | $(1$ |
| Motor Protection | electronic motor current monitoring with safety cut-off |  |
| Overvoltage Category | II |  |
| Set Value and Feedback | 0-20 mA, 4-20 mA, 0-10 V, 2-10 V selectable | $0$ |
| Binary Control | 24-230 VAC \& 24 VDC for ON/OFF service | 1 |
| Valve Positioner Function | integrated, deadband 0.6\% of full signal range, shut-off minimum | $\bigcirc$ |
| Automatic Start-up | Recognizing the end position(s) and autoscaling set and feedback values | 10 |
| Internal Fault Monitoring | torque, set value, temperature, power supply | E |
| Cable Glands | 2 pcs. ISO M20 x 1.5 and 1 pcs. ISO M16 1.5 | ro |
| Fail-Safe Operating Direction | Spring Extend (SE) - Spring extends actuator stem or Spring Retract (SR) - Spring retracts actuator stem | U |

[^0]

DP Swltches / Local Control Buttons


Analog input / Output Galvanic isolated


Binary Input signals
Galvenic Isolated $24-230$ VAC \& 24 VDC


24VAC / DC Supply Power


100-240VAC Supply Power

## Valve Connection



Connection Thread X

| M8 | Optional |
| :--- | :--- |
| M10 | Optional |
| M12 | Standard |

Fine threads and other
sizes on request!

## Mounting Position





For more information and accessories, please visit our website www.ps-automation.com!


[^0]:    $)^{1}=$ permissible average force over the entire travel is $50 \%$ of the max. thrust
    $)^{2}=$ at max. force
    $)^{3}=$ operating speed $+/-10 \%$

