Part number: 8022601





Data sheet

Stroke 30 mm1000 mm Miscritor of thread M16x1.5 Screw diameter 20 mm Max. angle of rotation of the piston rod +/- 0.15 deg 3ased on norm ISO 15552 Mounting position Any Motor type Stepper motor Servo motor Position sensing For proximity sensor Electric actuator with ball screw Electric actuator with lead screw spindle Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide With plain-bearing guide Corrosion resistance class (CRC) 0 · No corrosion stress 2 · Moderate corrosion stress 2 · Moderate corrosion stress 3 · Moderate corrosion stress 4 · Moderate corrosion stress 5 · Moderate corrosion stress 5 · Moderate corrosion stress Class 7 according to 150 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Ambient temperature 0 °C60 °C Max. radial force on actuator shaft Max. redel force Fx Max. redel force Fx Max. redel force Fx Max. redel force Fx Max. redel force on actuator shaft Max. feed force Fx Moderate corrosion stress 20 mm M16x1.5 Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Clear 7 according to 150 14644-1 O · 95 % Degree of protection Max. redel force Fx Max. radial force on actuator shaft Max. redel force Fx	Feature	Value
M16x1.5 Screw diameter 20 mm Max. angle of rotation of the piston rod +/- 0.15 deg 3ased on norm 150 15552 Mounting position Any Stepper motor Servo motor Position sensing For proximity sensor Electric actuator with ball screw Electric actuator with lead screw spindle Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. And With plain-bearing guide Outy cycle 100% O - No corrosion resistance class (CRC) O - No corrosion stress 2 - Moderate corrosion stress 3 - Moderate corrosion stress 4 - Moderate corrosion stress 5 - Moderate corrosion stress 6 - Moderate corrosion stress 6 - Moderate corrosion stress 6 - Moderate corrosion stress 7 - Moderate corrosion stress 7 - Moderate corrosion stress 8 - Moderate corrosion stress 8 - Moderate corrosion stress 9 - Moderate corrosion stress 9 - Moderate corrosion stress 1 - Moderate corrosion stress 2 - Moderate corrosion stress 2 - Moderate corrosion stress 3 - Moderate corrosion stress 4 - Moderate corrosion stress 5 - Moderate corrosion stress 6 - Moderate corrosion stress 6 - Moderate corrosion stress 6 - Moderate corrosion stre	Size	50
Screw diameter Max. angle of rotation of the piston rod +/- Max. angle of rotation of the piston rod +/- Sased on norm Sased on norm Motor type Stepper motor Servo motor Position sensing For proximity sensor Electric actuator with ball screw Electric actuator with ball screw Electric actuator with lead screw spindle Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide With plain-bearing guide Duty cycle 100% Corrosion resistance class (CRC) 0 - No corrosion stress 2 - Moderate corrosion stress 2 - Moderate corrosion stress 3 - Moderate corrosion stress 4 - Moderate corrosion stress 5 - Moderate corrosion stress 6 - Moderate corrosion stress 7 - Moderate corrosion stress 8 - Moderate corrosion stress 9 - Moderate corrosion stress 9 - Moderate corrosion stress 1 - Moderate corrosion stress 1 - Moderate corrosion stress 1 - Moderate corrosion stress 2 - Moderate corrosion stress 3 - Moderate corrosion stress 4 - Moderate corrosion stress 5 - Moderate corrosion stress 6 - Moderate corrosion stress 7 - Moderate corrosion stress 8 - Moderate corrosion stress 9 - Moderate corrosion stress 9 - Moderate corrosion stress 1 - Moderate corrosion stress 2 - Moderate corrosion stress 1 - Moderate corrosion stress 2 - Moderate corrosion stress 3 - Moderate corrosion stress 4 - Moderate corrosion stress 5 - Moderate corrosion stress 6 - Moderate corrosion stress 7 - Moderate corrosion stress 8 - Moderate corrosion stress 9 - Moderate corrosion stress 9 - Moderate corrosion stress 1 - Moderate cor	Stroke	30 mm1000 mm
Max. angle of rotation of the piston rod +/- Based on norm ISO 15552	Piston rod thread	M16x1.5
Any Motor type Stepper motor Servor motor Se	Screw diameter	20 mm
Mounting position Motor type Stepper motor Servo mile servo m	Max. angle of rotation of the piston rod +/-	0.15 deg
Stepper motor Servo motor Setructural design Electric actuator with ball screw Electric actuator with lead screw spindle Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide With plain-bearing guide Duty cycle 100% 100	Based on norm	ISO 15552
Servo motor For proximity sensor Electric actuator with ball screw Electric actuator with lead screw spindle Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide With plain-bearing guide Duty cycle 100% Corrosion resistance class (CRC) 0 · No corrosion stress 2 · Moderate corrosion stress 2 · Moderate corrosion stress WhA24364 zone III Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 · 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft Max. feed force Fx 5000 N	Mounting position	Any
Electric actuator with ball screw Electric actuator with ball screw Electric actuator with lead screw spindle Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide With plain-bearing guide Duty cycle 100% Corrosion resistance class (CRC) 0 · No corrosion stress 2 · Moderate corrosion stress 2 · Moderate corrosion stress Whaz4364 zone III Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 · 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Motor type	
Electric actuator with lead screw spindle //ariants Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide Outy cycle Loo% Corrosion resistance class (CRC) O · No corrosion stress 2 · Moderate corrosion stress 4 · Moderate corrosion stress Chass (PWIS) conformity VDMA24364 zone III Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity O · 95 % Degree of protection IP40 Ambient temperature O °C60 °C Max. radial force on actuator shaft Max. feed force Fx 5000 N	Position sensing	For proximity sensor
use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils. Protection against torsion/guide Outy cycle 100% Corrosion resistance class (CRC) 0 - No corrosion stress 2 - Moderate corrosion stress 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364 zone III Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 - 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Structural design	
Duty cycle 100% Corrosion resistance class (CRC) 0 - No corrosion stress 2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364 zone III Suitability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 - 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Variants	
Corrosion resistance class (CRC) 0 - No corrosion stress 2 - Moderate corrosion stress 2 - Moderate corrosion stress VDMA24364 zone III Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 - 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Protection against torsion/guide	With plain-bearing guide
2 - Moderate corrosion stress ABS (PWIS) conformity VDMA24364 zone III Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 - 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Duty cycle	100%
Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 Storage temperature -20 °C60 °C For use in the food industry See supplementary material information Relative air humidity 0 - 95 % Degree of protection Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Corrosion resistance class (CRC)	
from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 7 according to ISO 14644-1 -20 °C60 °C For use in the food industry See supplementary material information O - 95 % Degree of protection IP40 Ambient temperature O °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature -20 °C60 °C See supplementary material information Relative air humidity 0 - 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Suitability for the production of Li-ion batteries	from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and
See supplementary material information Relative air humidity O - 95 % Degree of protection IP40 Ambient temperature O °C60 °C Max. radial force on actuator shaft Max. feed force Fx 5000 N	Cleanroom class	Class 7 according to ISO 14644-1
Relative air humidity 0 - 95 % Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Storage temperature	-20 °C60 °C
Degree of protection IP40 Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	For use in the food industry	See supplementary material information
Ambient temperature 0 °C60 °C Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Relative air humidity	0 - 95 %
Max. radial force on actuator shaft 300 N Max. feed force Fx 5000 N	Degree of protection	IP40
Max. feed force Fx 5000 N	Ambient temperature	0 °C60 °C
	Max. radial force on actuator shaft	300 N
No-load driving torque 0.3 Nm	Max. feed force Fx	5000 N
	No-load driving torque	0.3 Nm

Feature	Value
Type of mounting	With internal thread or accessory
Interface code, actuator	D50
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy, smooth-anodized
Piston rod material	High-alloy stainless steel
Material of screws	Steel, galvanized
Spindle nut material	Roller bearing steel
Spindle material	Roller bearing steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized