Cylinder ADN-100-180-I-P--A-EX4

536372

URL:https://www.sxplc.com/cylinder-adn-100-180-i-p-a-ex4-536372

Product data sheet

trip

1 mm ... 500 mm

Piston diameter

100 mm

buffer

Elastic buffer rings/pads at both ends

Self adjusting throttle terminal position buffer

Installation location

Optional

Compliant with standards

ISO 21287

Structural characteristics

Cylinder diameter

piston rod

Cylinder profile

position detection

By proximity switch

Derived type

Explosion protection certification (ATEX)

Do not use metals primarily composed of copper, zinc, or nickel. Exceptions: Nickel in steel, surface of chemically plated nickel, printed circuit boards, cables, electrical plug connectors, and coils.

Improve operational performance

Extended external thread of piston rod

Customized threads on the piston rod

Extended piston rod

Anti torsion

High corrosion resistance level

dustproof

Reinforced piston rod

Constant slow motion

Low friction

Double end piston rod

Hollow piston rod at both ends

High temperature resistant sealing element, up to 120 ° C

Laser etched nameplate

One end piston rod

working pressure

0.06 Mpa ... 1 Mpa

working pressure

0.6 bar ... 10 bar

Working mode

Double action

CE certification (see declaration of conformity)

Compliant with the EU Explosion Protection Directive (ATEX)

CE marking (see declaration of conformity)

According to the UK EX directive

explosion-proof

Zone 1 (ATEX)

Zone 2 (ATEX)

Zone 21 (ATEX)

Zone 22 (ATEX)

ATEX gas category

II 2G

ATEX Dust Category

II 2D

Gas explosion-proof and flame-retardant type

Ex h IIC T4 Gb

Dust proof, explosion-proof, and flame-retardant types

Ex h IIIC T120°C Db

Explosion proof ambient temperature

-20°C <= Ta <= +60°C

Working medium

Compressed air, in accordance with ISO 8573-1:2010 [7:4:4]

Description of Work and Pilot Media

Can work with lubricating medium (must continue to work with lubricating medium thereafter)

Corrosion resistance grade CRC

0- No corrosion resistance

2- Moderate corrosion resistance

3- High corrosion resistance

Paint Wetting Defect Substance (PWIS) Compliance

VDMA24364-B1/B2-L

VDMA24364 Zone III

Suitable for lithium-ion battery production

Do not use metals with copper, zinc, or nickel content exceeding 1%. Exceptions: Nickel in steel, chemically plated nickel surfaces, printed circuit boards, cables, electrical plug connectors, and coils

ambient temperature

-40 °C ... 120 °C

Theoretical force value at 6 bar, return stroke

4524 N

Theoretical force value at 6 bar, forward travel

4524 N ... 4712 N

Additional weight for each piston rod extended by 10 mm

25 g

Additional weight for each piston rod thread extension of 10 mm

16 g

Installation method

or

With through-hole

Installation through internal threads

With attachments

Pneumatic interface

G1/8

Material Description

RoHS compliance

Ring screw material

steel

Lid material

Coated die cast aluminum

Anodized refined aluminum alloy

Material of piston rod

High alloy steel

Cylinder material

Smooth anodized refined aluminum alloy