Model ICO3S 1/4" 3/2 UNI
Direct acting solenoid valve
High flow
Max inlet pressure 12 bar (174 psi)
A direct acting solenoid operated valve for the control of pneumatic or hydraulic operated equipment
Reliable and long life, ideal for a one time installation
ATEX, CSA, GOST K & R, IECEX and NEMA 4X

Technical features
Maximum inlet pressure: 12 bar (174 psi)
Flow rates:
\[ Q_v = 0.6 \text{ USgpm for 1 psi } \Delta p \]
\[ K_v = 8.64 \text{ l/min for 1 bar (15 psi) } \Delta p \]
Temperature ratings:
Media (min/max -50°C/90°C (-58°F/194°F))
Ambient (min/max -50°C/60°C (-58°F/140°F))
Valve size: 1/4" poppet valve
Process connections: 1/4" NPT, 1/4" BSP
Conduit connection: M20 x 1.5 conduit thread, 1/2" NPT
Signal connection: 1/4" NPT
Media: Liquid & gases
Weight: 2.5 kg
Materials:
Solenoid pot - stainless steel - BFC 316
Top cover - stainless steel - BFC 316
Valve body & trim materials - 316 stainless steel - 316L stainless steel
O-rings & seals - nitrile (NBR)
Coil insulation - class H

ICO3S 1/4" 3/2 AUTO

Valve part number breakdown

Model | Substitute
---|---
ICO3S Ex d | Y0
ICO3S Ex mbe | YZ
ICO3S Ex ia | YX
Operating pressure | Substitute
0-12 bar | T
Port config. | Substitute
3/2 UNIVERSAL | 3
Operation | Substitute
Automatic | A
PBMO | C
PBMR | P
Process conn. | Substitute
1/4" NPT | A1
1/4" BSPP | E1

Body / trim materials | Substitute
316 SS / 316 SS | S
316L SS / 316L SS | T
Voltage | Substitute
24V DC | B
50V DC | C
110V DC | D
125V DC | E
220V / 240V DC | F
24V AC | G
110V AC | J
220V / 240V AC | M
120V AC | T
Conduit connection | Substitute
M20 x 1.5 | 1
1/2" NPT | 2
Seat / seal materials | Substitute
Nitrile | H
FKM | V

For further information www.norgren.com
CONDUIT CONNECTION
SEE TABULATION

VIEW ON TOP WITH TOP
COVER REMOVED

ICO3S 1/4" 3/2 VALVE

Profile and dimensions mm

ICO3S 1/4" 3/2 PBMR