

# ISO cylinder DSNU-12- -

Part number: 193988

**FESTO**



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Maritime classification	See certificate
Stroke	1 mm ... 200 mm
Piston diameter	12 mm
Type code	DSNU
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Design	Piston Piston rod Cylinder barrel
Position sensing	For proximity sensor
Variants	Piston rod at one end High corrosion protection Clamping unit on the piston rod Low friction Constant, slow movement Axial supply port With anti-twist protection Extended piston rod Piston rod with external thread shortened at one end Transverse supply port Through piston rod Extended external thread piston rod Heat-resistant seals max. 120°C With direct mounting
Protection against torsion/guide	Square piston rod
Operating pressure	1.5 bar ... 10 bar
Mode of operation	Double-acting
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T120°C Db
Explosive ambient temperature	-20°C ≤ Ta ≤ +60°C
Explosion prevention and protection	Zone 22 (ATEX) Zone 1 (ATEX) Zone 21 (ATEX) Zone 2 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	3 - High corrosion stress 2 - Moderate corrosion stress
Ambient temperature	-20 °C ... 120 °C
Impact energy in the end positions	0.07 J
Theoretical force at 6 bar, advancing	51 N ... 68 N
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	TPE-U(PU) NBR
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel