ISO cylinder DSNU-8- -Part number: 193986



Data sheet

Piston diameter 8 mm Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Conforms to standard CETOP RP 52 P ISO 6432 ISO 6432 Structural design Piston Position sensing For proximity sensor Variants Extended external thread piston rod Piston rod Camping unit on the piston rod Clamping unit on the piston rod Camping unit on the piston rod Position sensing Extended external thread shortened at one end Variants Extended external thread piston rod Piston rod Camping unit on the piston rod Piston rod at one end Extended piston rod Querating pressure 0.15 MPa1 MPa 1.5 bar10 bar Double-acting Mode of operation Double-acting CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) Zone 1 (ATEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (WEX) Zone 21 (WEX) Zone 21 (WEX) Zone 21 (WEX) Zone 21 (WEX) Zone 21 (WEX) Zo	Feature	Value
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Mounting position Any Conforms to standard CETOP RP 52 P ISO 6432 Structural design Piston Piston rod Cylinder barrel Position sensing For proximity sensor Variants Extended external thread piston rod Piston rod Clamping unit on the piston rod Clamping unit on the piston rod Clamping unit on the piston rod Axial supply port UWth direct mounting Lateral supply port Operating pressure 0.15 MPa1 MPa 1.5 bar10 bar Mode of operation Double-acting CE marking (see declaration of conformity) as per EU explosion protection directive (ATEX) UKCA marking (see declaration of conformity) act. to UK EX instructions Explosion protection certification outside the EU EPL Db (GB) EPL Db (GB) EPL Db (GB) Explosion protection and protection Explosion prevention and protection Zone 1 (MEX) Zone 2 (MEX) Zone 2 (MEX) Zone 2 (MEX) Zone 2 1 (MEX) ATEX category gas II 20	Piston diameter	8 mm
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VariantsExtended external thread piston rod Piston rod with external thread shortened at one end Extended piston rod Axial supply port Uow friction Through piston rod Heat-resistant seals max. 120°C Piston rod at one endOperating pressure0.15 MPa1 MPa 1.5 bar10 barMode of operationDouble-actingCE marking (see declaration of conformity)as per EU explosion protection directive (ATEX) UKCA marking (see declaration outside the EUExplosion protection certification outside the EUEPL Db (GB) EPL Db (GB)Explosion prevention and protectionZone 1 (ATEX) Zone 21 (ATEX	Structural design	Piston rod
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ATEX category for dust II 2D	Explosion prevention and protection	Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX)
	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 gas	Ex h IIC T4 Gb

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Feature	Value
Type of (ignition) protection for dust	Ex h IIIC T120°C Db
Explosive ambient temperature	-20°C <= Ta <= +60°C
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C120 °C
Impact energy in the end positions	0.03 J
Theoretical force at 6 bar, advancing	23 N30 N
Type of mounting	With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR TPE-U(PU)
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	High-alloy stainless steel