

Technical data

FESTO

 Condition of use

Part number: 1463250
Order code 1: DSBC-32-125-PPVA-N3EX4
Order-ID: C186430

Technical data

Feature name	Value
Stroke	125 mm
Piston diameter	32 mm
Piston rod thread	M10x1.25
Short type code	DSBC
Cushioning	Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread
Design	Piston Piston rod Profile barrel
Position detection	für Näherungsschalter For proximity switch
Variants	Piston rod at one end
Ambient temperature	-20...60 °C
Impact energy in the end positions	0.4 J
Cushioning length	0,000...17,000 mm
Operating mode	Double-acting
CE marking (see declaration of conformity)	As per EU ATEX Directive
UKCA marking (see declaration of conformity)	UK EX regulation
ATEX category for gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T4 Gb
Type of ignition protection for dust	Ex h IIIC T120°C Db
Potentially explosive ambient temperature	-20°C ≤ Ta ≤ +60°C
Explosion protection certification outside the EU	EPL Gb (GB) EPL Db (GB)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Note on operating/pilot medium	Lubricated operation possible (required for further use)
Corrosion resistance class KBK	Moderate corrosion stress - 2
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	415 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing	483 N
Product weight	802.5 g
Moving mass	222.5 g
Type of mounting	Alternatively: With internal thread "With accessories" means indirect mounting via an intermediate element.
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum, coated
Piston seal material	TPE-U(PU)
Piston material	Wrought aluminum alloy
Piston rod material	High-alloy steel
Piston rod wiper seal material	TPE-U(PU)
Buffer seal material	TPE-U(PU)
Cushioning boss material	POM
Cylinder barrel material	Wrought aluminum alloy, smooth-anodized
Nut material	Steel, galvanized
Bearing material	Bronze
Flange screws material	Steel, galvanized
Protective bellows material	NBR