

Part number: 536422  
 Order code 1 : AEN-80-5-A-P-A  
 Order-ID: C298378

## Technical data

Feature name	Value
Stroke	5 mm
Piston diameter	80 mm
Short type code	AEN
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 21287
Design	Piston Piston rod Profile barrel
Position detection	For proximity switch
Operating pressure (MPa)	0,100...1,000 MPa
Operating pressure (bar)	1,000...10,000 bar
Operating mode	Single-acting Pushing Pulling
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
Ambient temperature	-20...80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2640 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advancing	2810 N
Moving mass	437.5 g
Product weight	1175 g
Type of mounting	Alternatively: With through-hole With internal thread "With accessories" means indirect mounting via an intermediate element.
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Flange screws material	Steel
Cover material	Die-cast aluminum, coated
Piston rod material	High-alloy steel
Cylinder barrel material	Wrought aluminum alloy, smooth-anodized
Operating pressure (psi)	14,500...145,000 psi