

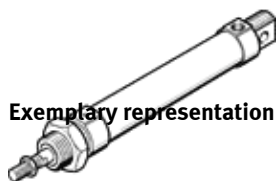
# Standards-based cylinder

## ESNU-16- -P

Part number: 193999

FESTO

A stroke of at least 10 mm is required for position sensing with proximity sensors.



Exemplary representation

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 50 mm
Piston diameter	16 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	CETOP RP 52 P ISO 6432
Design structure	Piston Piston rod Cylinder barrel
Position detection	For proximity sensor
Variants	Extended male piston rod thread External piston rod thread shortened on one end Extended piston rod axial supply port Single-ended piston rod
Operating pressure MPa	0.12 ... 1 MPa
Working pressure	1.2 ... 10 bar
Mode of operation	single-acting pushing action
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 120 °C
Impact energy in end positions	0.15 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	94 ... 97 N
Moving mass with 0 mm stroke	23 g
Additional mass factor per 10 mm of stroke	2 g
Basic weight for 0 mm stroke	89.9 g
Additional weight per 10 mm stroke	4.6 g
Mounting type	with accessories
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive