

# Twin-piston cylinder DPZCJ-6-50-P-A-KF

Part number: 194422

FESTO

With two parallel, double-ended piston rods and yoke plates, for proximity sensing, with elastic cushioning rings in end positions. These drives can be delivered on request with ATEX certification. The data on "ATEX identification", "ATEX ambient temperature" and "CE label" in the data sheet relate only to drives with certification.



## Data sheet

Feature	Value
Centre of gravity distance from working load to yoke plate	0 mm
Stroke	50 mm
Adjustable end-position range/length	10 mm
Piston diameter	6 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Recirculating ball bearing guide
Design structure	Guide
Position detection	For proximity sensor
Operating pressure	2 ... 10 bar
Max. speed	0.5 m/s
Mode of operation	double-acting
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c 120°C
Explosion-proof ambient temperature	-5°C ≤ Ta ≤ +60°C
Operating medium	Dried compressed air, lubricated or unlubricated
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	0
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.016 Nm
Max. useful load as a function of the stroke at defined distance xs	2.5 N
Theoretical force at 6 bar, return stroke	19 N
Theoretical force at 6 bar, advance stroke	19 N
Moving mass	103 g
Product weight	290 g
alternative connections	See product drawing
Pneumatic connection	M3
Materials note	Free of copper and PTFE
Materials information for cover	Wrought Aluminium alloy
Materials information for seals	NBR
Materials information, housing	Wrought Aluminium alloy
Materials information for piston rod	Case-hardened steel