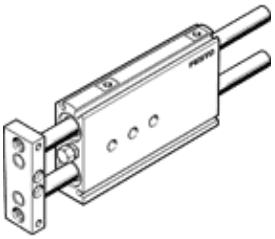
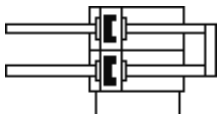
Twin-piston cylinder
DPZC-16-80-P-A-GF-S2

Part number: 194365

With two parallel through piston rods, 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	80 mm
Adjustable end-position range/length	15 mm
Piston diameter	16 mm
Operating mode of drive unit	Yoke
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Guide	Plain-bearing guide
Design structure	Guide
Position detection	For proximity sensor
Variants	S2: through piston rod
Working pressure	1 ... 10 bar
Max. speed	0.8 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 symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Corrosion resistance classification CRC	2
Ambient temperature	-5 ... 60 °C
Impact energy in end positions	0.16 Nm
Max. useful load as a function of the stroke at defined distance xs	14.3 N
Theoretical force at 6 bar, return stroke	181 N
Theoretical force at 6 bar, advance stroke	181 N
Moving mass	216 g
Product weight	930 g
alternative connections	See product drawing
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Materials information for cover	Wrought Aluminum alloy
Materials information for seals	NBR
Materials information, housing	Wrought Aluminum alloy
Materials information for piston rod	High alloy steel, non-corrosive