



WOERNER

The Experts in Lubrication



Flow control DFK

469.060



Application:

Flow control in central lubrication systems

Technical data:

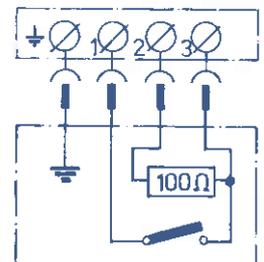
Lubricant: oil or grease up to consistency class 2
 Operating pressure: min. 4 [bar]
 max. 50 [bar]
 Operating temperature: -20+80 [°C]

Caution!

Use only cylindrical screw connections. Avoid tension caused by mounting. When mounting on vibrating or oscillating machine parts, locate the unit so that the piston travel is across the direction of the machine part.

Technical data of the connector, resp. Reed contact

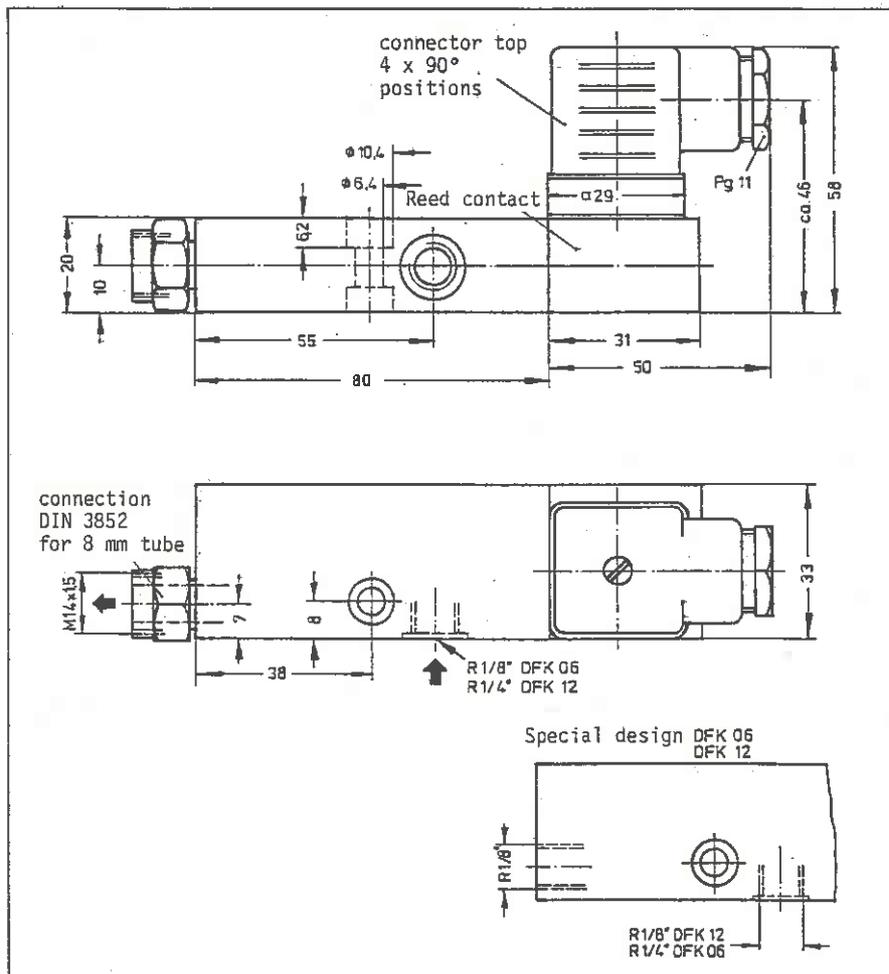
Connections:



Connecting pins on the connector



Switching power: P max. 0,9 [W]
 U max. 36 [V≅]
 I max. 25 [mA]
 Protection type: IP 65; DIN 40050





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Order designation: flow control **DFK**  -  - 

flow volume per electrical impulse [cm ³]	supply volume per pump str. per minute [cm ³]		tube connections		seal material
	min. [cm ³]	max. [cm ³]	inlet	outlet	
0,6 = 	0,01	120	standard design R 1/8" 	M 14x1,5 	Viton 
			special design R 1/4" 	R 1/8" 	Nitrile rubber NBR (e.g. Perbunan)
1,2 = 	1,0	250	standard design R 1/4" 	M 14x1,5 	Nitrile rubber NBR (e.g. Perbunan)
			special design R 1/8" 	R 1/8" 	

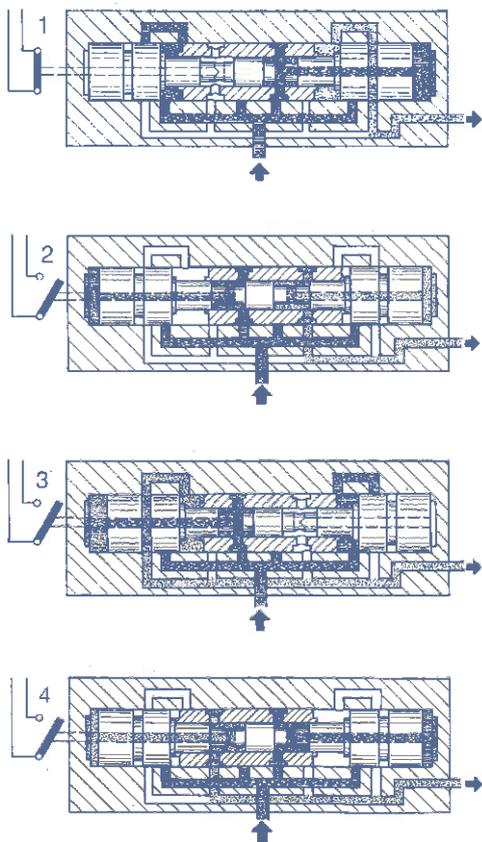
Ordering example:

for a flow control for 0,6 cm³ flow volume per impulse, with 1/8" thread for the inlet, and coupling nut M 14x1,5 at the outlet, with seal material Perbunan

Order designation:

1 flow control
DFK 06-1/3-P 469.060

Function diagram



Operation:

The lubricant flow moves a positively actuated piston system. This causes electrical impulses. The number of impulses per time unit is proportional to the flow volume.

- 1 control piston at left stop:
control bushing moves to the right
- 2 control bushing at right stop:
control piston moves to the right
- 3 control piston at right stop:
control bushing moves to the left
- 4 control bushing at left stop:
control piston moves to the left

This progressive operation continues as long as lubricant is supplied.