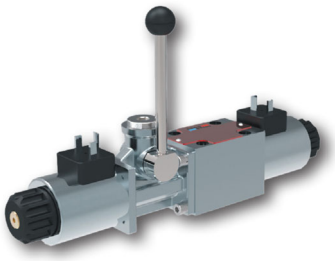
Solenoid Operated Directional Control Valve with Auxiliary Lever Override

RPER3-06

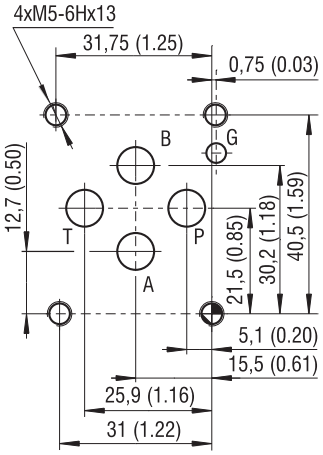
Size 06 (D03) • Q_{max} 80 l/min (21 GPM) • p_{max} 350 bar (5100 PSI)



Technical Features

- Auxiliary lever overrides for ON-OFF solenoid valves of the type RPE3-06 (Datasheet No. 4010) with Size 06 and mounting interface acc. to ISO 4401, DIN 24340 (CETOP 03)
- Auxiliary lever operators allow the valve to be operated when electrical system is de-energized, e.g. emergency operation, electrical failures, maintenance activities
- Manual lever and actuation element can be rotated in 90° increments for flexible installation
- When the valve is electrically operated the hand lever remains stopped in its neutral position
- The lever override does not affect the performances of the base valve
- In the standard version, the valve housing is phosphated for basic surface corrosion protection and as preparation for painting. Steel parts are zinc-coated for 240 h salt spray protection acc. to ISO 9227
- Enhanced surface protection for mobile sector available for the valve housing and steel parts (ISO 9227, 520 h salt spray)

ISO 4401-03-02-0-05



Ports P, A, B, T - max. ∅7.5 mm (0.9 in)

Technical Data

Valve size		06 (D03)
Max. flow	l/min (GPM)	80 (21.1)
Max. operating pressure at port P, A, B	bar (PSI)	350 (5080)
Max. operating pressure at port T	bar (PSI)	100 (1450)
Fluid temperature range (NBR)	°C (°F)	-30 ... +80 (-22 ... +176)
Fluid temperature range (FPM)	°C (°F)	-20 ... +80 (-4 ... +176)
Ambient temperature range	°C (°F)	-30 ... +50 (-22 ... +122)
Service life	cycles	10^6
Rated power supply voltage	%	AC: ±10 DC: ±10
Max. switching frequency	1/h	10 000
Lever characteristics		
Total stroke angle	deg	±20
Working stroke angle	deg	±12 to 20
Operating force	N (lbf)	40 (29.5)
Lever device weight	kg (lbs)	0.59 (1.3)
	Datasheet	Type
General information	GI_0060	Products and operating conditions
Coil types / connectors	C_8007 / K_8008	C22B* / K*
Mounting interface	SMT_0019	Size 06
Spare parts	SP_8010	

Objednací klíč

RPER3-06 [ ][ ] / [ ][ ][ ][ ] / [ ] - [ ] - [ ]

4/2 and 4/3 solenoid operated directional control valve with auxiliary lever override

Valve size

Number of valve positions

two	**2**
three	**3**

Spool symbols
see the table "Spool Symbols"

Rated supply voltage of solenoids
(at the coil terminals)

12 V DC / 2,72 A	**01200**
24 V DC / 1,29 A	**02400**
27 V DC / 1,07 A	**02700**
205 V DC / 0,15 A	**20500**
24 V AC / 1,56 A / 50 (60) Hz	**02450**
120 V AC / 0,26 A / 60 Hz	**12060**
230 V AC / 0,15 A / 50 (60) Hz	**23050**

For directional valves with two solenoids, one solenoid must be de-energized before the other solenoid can be charged.
For AC voltage supply use coils with connector type E5.
For other solenoid voltage supply options see datasheet C_8007.
The solenoid operated valves are delivered without connectors.
For available connectors see datasheet K_8008.
The orifice to the P port can be ordered separately, see datasheet SP_8010.
Mounting bolts M5 x 45 DIN 912-10.9 or studs must be ordered separately
Tightening torque is 8.9+1 Nm (6.56+0.7 lbf.ft)

Conector

E1	EN 175301-803-A
E2	E1 with quenching diode
E3A	AMP Junior Timer - axial direction (2 pins; male)
E4A	E3A with quenching diode
E5	EN 175301-803-A with integrated rectifier
E8	loose conductors (two insulated wires)
E9	E8 with quenching diode
E12A	Deutsch DT04-2P - axial direction (2 pins; male)
E13A	E12A with quenching diode

Manual override at actuator system

No designation	standard

Seals

No designation	NBR
V	FPM (Viton)

Manual lever and position of override actuating section

A19	standard, lever on side A, upward
B19	standard, lever on side B, upward

Lever override length

No designation	standard 102 mm

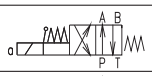
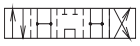
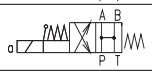
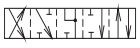
Surface treatment

No designation	standard
A	zinc-coated (ZnCr-3), ISO 9227 (240 h)
B	zinc-coated (ZnNi), ISO 9227 (520 h)

Besides the commonly used valve versions shown other special models are available.
Contact our technical support for their identification, feasibility and operating limits.

For operating limits and pressure drop refer to Datasheet No. 4010 of the base valve RPE3-06.

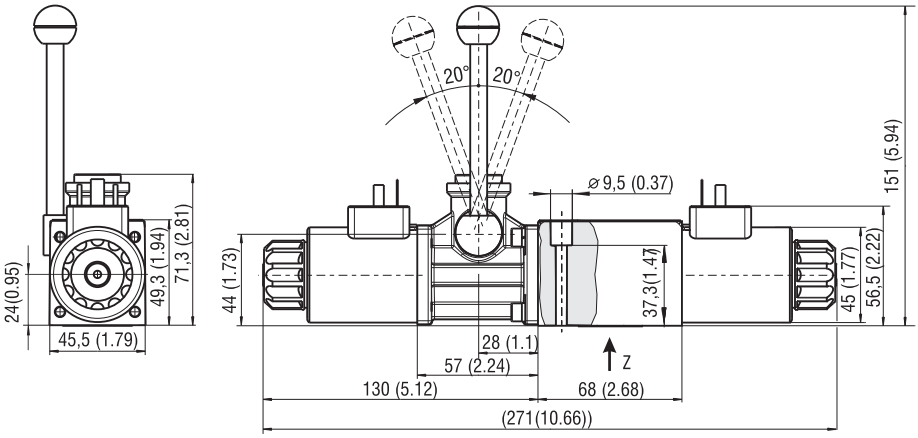
Spool Symbols

Type	Symbol	Interposition	Type	Symbol	Interposition
Z11			R11		
C11			H51		
H11					
Y11					

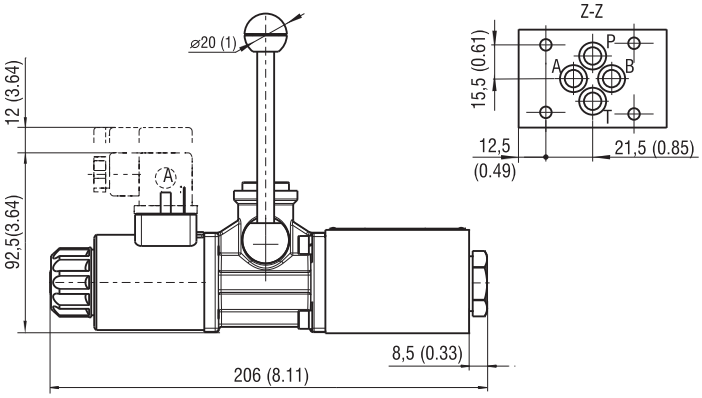
Dimensions in millimeters (in)

The lever operator should never be used when any solenoid is energized.

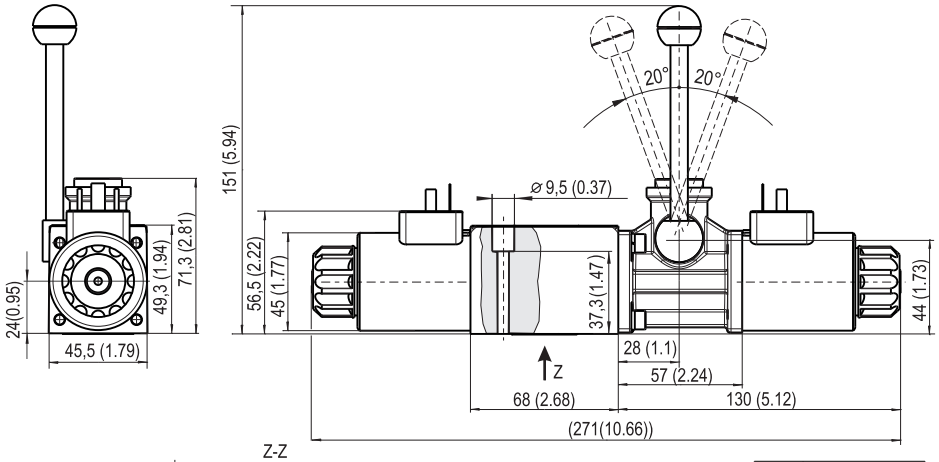
RPER3-063*A19



RPER3-062*/A19

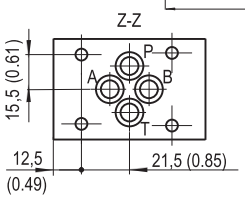


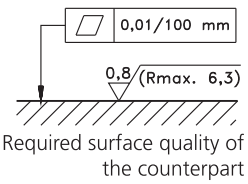
RPER3-063*/B19



Manual lever and actuating section is shown in the standard supplied position which is the most frequently used. Both elements can be rotated to various positions 90° apart.
For other positions of lever and actuating section consult our technical department for their identification.

Mounting screws 8.9+1 Nm (6.56+0.7 lbf.ft)
M5x45 DIN 912-10,9





Required surface quality of the counterpart