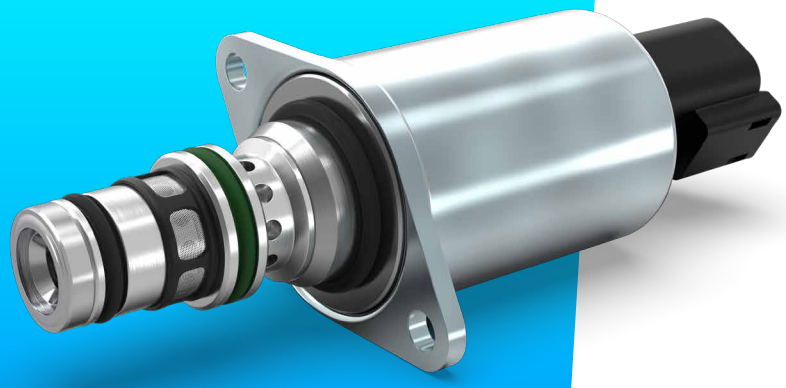
Directional Control Valve DCSD06 – On/Off NG



Product classification

Name	Max volume flow @ 6 bar dp
DCSD 04	7 l/min
DCSD 05	10 l/min
DCSD 06	15 l/min
DCSD 09	30 l/min

Proportional valves

Directional valves

Smart products

Special designs

Hydraulic Data

Max pressure pump	P_P = 60 bar
Max pressure tank	P_T = 60 bar
Max pressure work	P_A = 50 bar
Contamination level	Min Filtration: 21/19/14 According to ISO 4406
Fluid	Mineral Oil According to DIN 51524
Temperature range fluid	-30°C to +105°C
Leakage (internal)	< 0,04 l/min (de-energized) < 0,04 l/min (energized)
Filterscreen size	140 µm (P-Port)

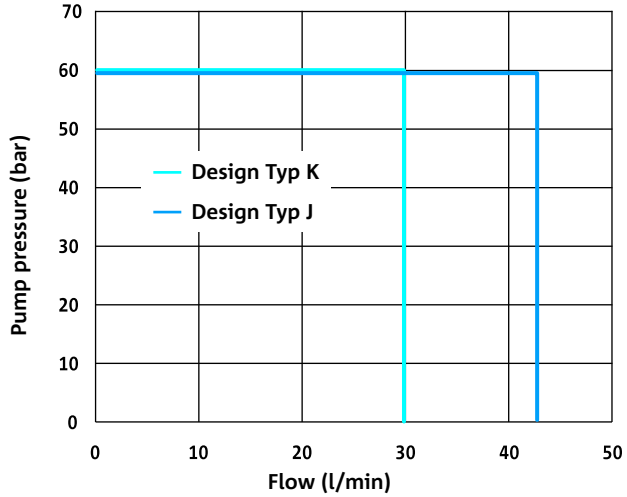
* The reported data are measured @ Pp=41 bar and an oil viscosity of 32 cSt

Electrical Data

Voltage	12 V	24 V
Resistance	8,15 Ω ± 5%	32,5 Ω ± 5%
Current range	0 to 1500 mA	0 to 750 mA
Voltage supply	9 to 16 V	18 to 32 V
Type of control	Current control PWM 180 Hz recommended Direct voltage control possible	
Connector	AMP Junior timer Deutsch Connector DT04-2P	
Protection class	up to IP6K6 / IPX9K	
Switching times	t_{on} < 45 ms (pA = 0% to 90%) t_{off} < 45 ms (pA =100% to 10%)	

Switching limits (average characteristic)

Switching limits for the preferred port assignment

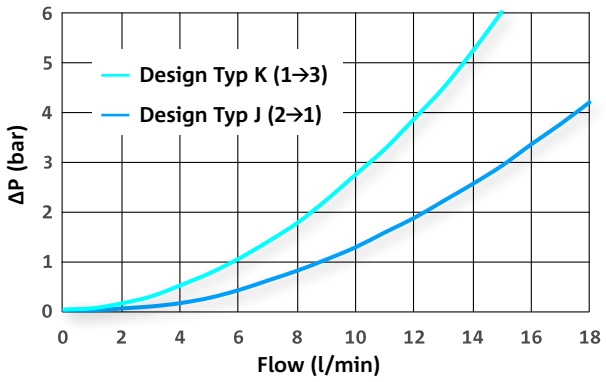


Additional data

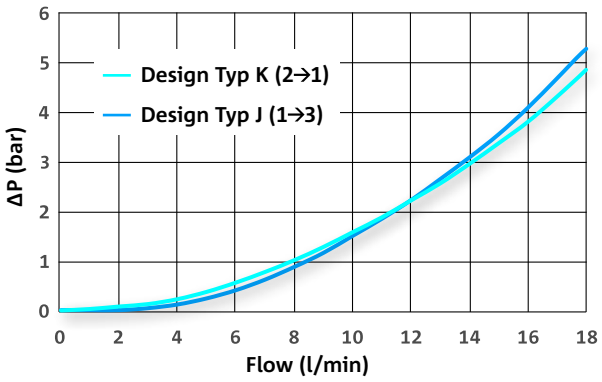
Weigth	approx. 235 g
Mounting position (recommended)	any
$MTTF_d$-value	150 years
Reference	Valve specifications according to Thomas LHP 87

Flow characteristics (Average characteristic)

PRESSURE DROP AT DE-ENERGIZED STATE
Valve only

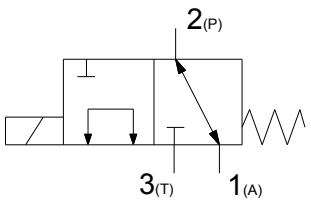


PRESSURE DROP AT ENERGIZED STATE
Valve only

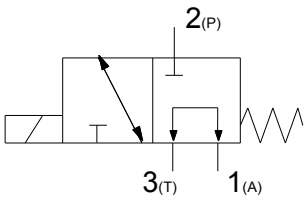


Hydraulic schematic

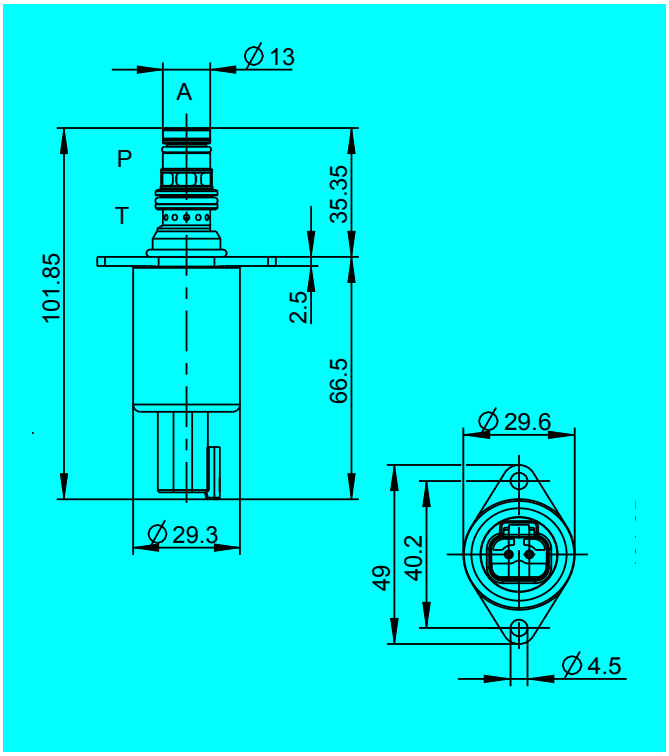
Design „J“



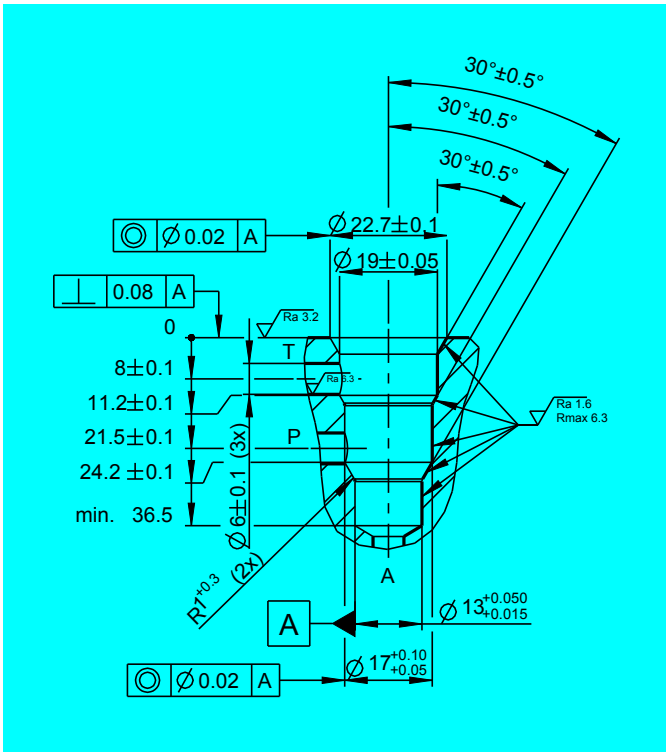
Design „K“



Dimensions with Deutsch Connector*
(All dimensions in mm)

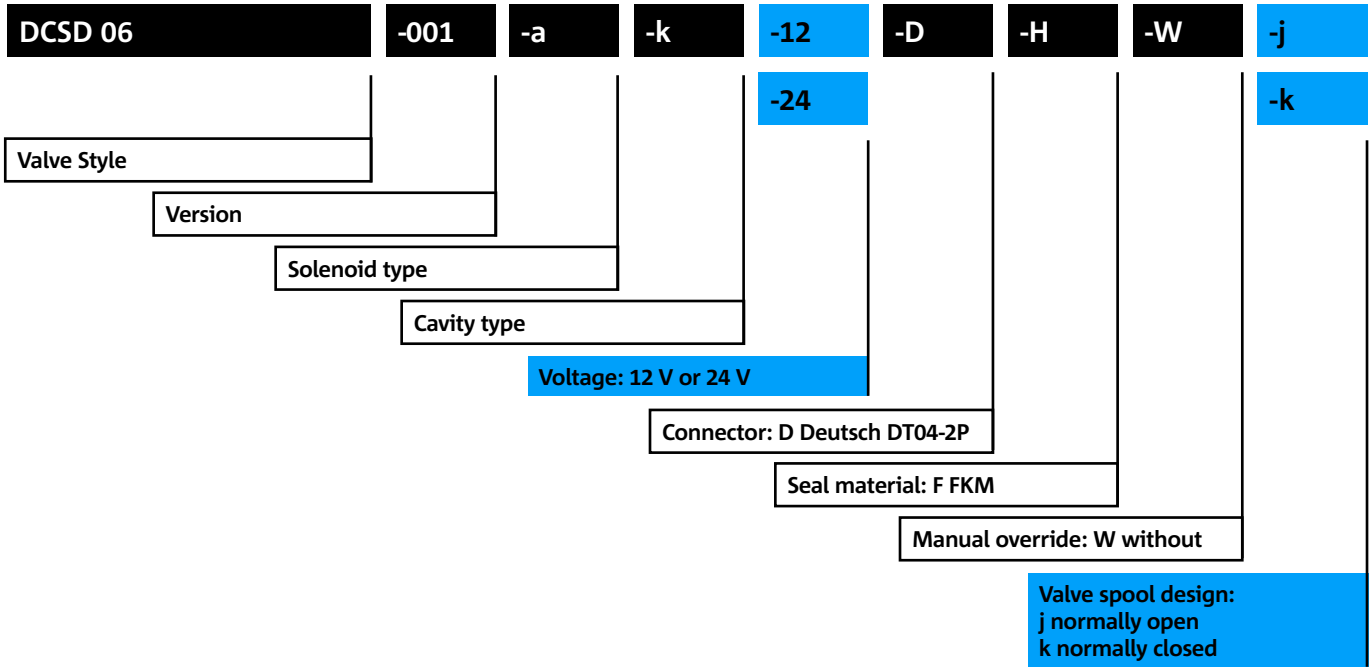


Cavity Dimensions
(All dimensions in mm)



* Dimensions for AMP Jr. Connector available on request.

Model code



Defined by Thomas

Customers choice

CONTACT DETAILS

Michael Lutz

Thomas Magnete GmbH

Innomotion Park 3
57562 Herdorf, Germany

Tel. +49 2744 929-220

michael.lutz@thomas-magnete.com

www.thomas-group.com

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