

4WE 6 D6X/EG24N9K4

General			
Installation		Optional	
Ambient temperature		°C (°F)	-30 to +50 (-22 to +122) - NBR seals -20 to +50 (-4 to +122) - FKM seals
Weight	Valve with 1 solenoid	kg (lbs.)	1.45 (3.2)
	Valve with 2 solenoids	kg (lbs.)	1.95 (4.3)
Hydraulic			
Max. operating pressure	Ports A, B, P	bar (PSI)	350 (5100)
	Ports T	bar (PSI)	210 (3050) - DC; 160 (2320) - AC With symbols A and B, port T must be used as a drain port if the operating pressure is above the permitted tank pressure.
Max. flow		L/min (GPM)	80 (21) - DC; 60 (15.8) - AC
Flow cross-section (switched position 0)	For symbol Q	mm ² (in ²)	Approx. 6% of the nominal cross-section
	For symbol W	mm ² (in ²)	Approx. 3% of the nominal cross-section
Pressure fluid		Mineral oil (HL, HLP) to DIN 51524 ¹⁾ ; Fast bio-degradable pressure fluids to VDMA 24568 (also see RE 90221); HETG (rape seed oil) ¹⁾ ; HEPG (polyglycols) ²⁾ ; HEES (synthetic ester) ²⁾ ; Other pressure fluids on request	
Pressure fluid temperature range		°C °F)	-30 to +80 (-22 to +176) - NBR seals -20 to +80 (-4 to +176) - FKM seals
Viscosity range		mm ² /s (SUS)	2.8 to 500 (35 to 2320)
ISO code cleanliness class		Maximum permissible degree of contamination of fluid to ISO 4406 (c) class 20/18/15 ³⁾	



4WEH16E-71/6EG24N9ETK4/10B10

Technical data (for applications outside these parameters, please consult us!)

General

Sizes	NG	10	16	25 4W.H 22	25 4W.H 25	32
Weight, ca.						
- Valve with one solenoid	kg [lbs]	6.4 [14.1]	8.5 [18.7]	11.5 [25.3]	17.6 [38.8]	17.6 [38.8]
- Valve with two solenoids, spring-centered	kg [lbs]	6.8 [15.0]	8.9 [19.6]	11.9 [26.2]	19.0 [41.9]	41.0 [90.4]
- Valve with two solenoids, pressure-centered	kg [lbs]	6.8 [15.0]	8.9 [19.6]	11.9 [26.2]	19.0 [41.9]	41.0 [90.4]
- Valve with hydraulic actuation (type 4WH...)	kg [lbs]	5.5 [12.1]	7.3 [16.1]	10.5 [23.1]	16.5 [36.4]	39.5 [87.1]
- Switching time adjustment	kg [lbs]	0.8 [1.8]	0.8 [1.8]	0.8 [1.8]	0.8 [1.8]	0.8 [1.8]
- Pressure reducing valve	kg [lbs]	0.4 [0.9]	0.4 [0.9]	0.4 [0.9]	0.4 [0.9]	0.4 [0.9]
Installation position		Optional; horizontal in the case of valves with hydraulic spool return "H" and spool symbols A, B, C, D, K, Z, Y				
Ambient temperature range	°C [°F]	-30 to +50 [-22 to +122]				
Storage temperature range	°C [°F]	-20 to +70 [-4 to +158]				
Surface protection (valve body)		Paint-coating, layer thickness max. 100 µm				

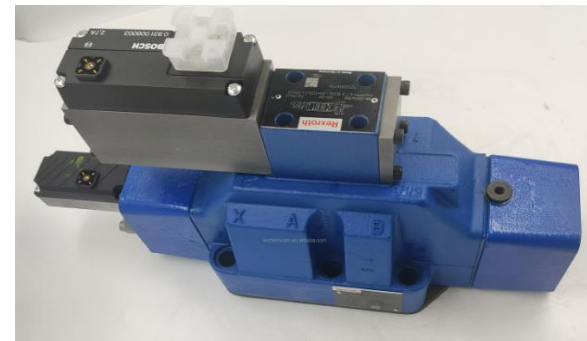


4WRZ 16 EA150-X/6AG24N9ETK4/M

RE 29 113/09.95

Technical data (For applications outside these parameters, please consult us!)							
General							
Installation position	optional, preferably horizontal (for commissioning guidelines see RE 07 800)						
Ambient temperature	°C – 20 to + 50						
Weight	Spool symbol	E, E1-, E2-, E3-, W, W1-, W2-, W3-			EA, WA, EB, WB		
	Size 10	kg	7,8	7,4			
	Size 16	kg	13,4	12,7			
	Size 25	kg	18,2	17,5			
	Size 32	kg	42,2	41,8			
	Size 52	kg	79,5	78,5			
for flange connection	Size 52	kg	77,5	76,5			
Hydraulic (measured at $v = 41 \text{ mm}^2/\text{s}$ and $t = 50 \text{ }^\circ\text{C}$)							
Operating pressure	– Pilot valve, Pilot oil feed external	bar	Size 10	Size 16	Size 25	Size 32	Size 52
			30 to 100				
	Pilot oil feed internal	bar	100 to 315 only with "D3"				
	– Main valve	bar	up to 315	up to 350	up to 350	up to 350	up to 350
Return line pressure	– Port T (port R) (Pilot oil drain external)	bar	up to 315	up to 250	up to 250	up to 150	up to 250
	– Port T (Pilot oil drain internal)	bar	up to 30	up to 30	up to 30	up to 30	–
	– Port Y	bar	up to 30	up to 30	up to 30	up to 30	up to 30
Pilot oil volume for spool movement 0 → 100 %		cm ³	1,7	4,6	10	26,5	54,3
Pilot oil flow at ports X and Y at stepped input signals 0 → 100 %		L/min	3,5	5,5	7	15,9	7
Flow through main valve		L/min	up to 170	up to 460	up to 870	up to 1600	up to 2800
Degree of fluid contamination	Maximum permissible degree of contamination of the fluid is to NAS 1638, class 7 (pilot stage) and class 9 (main stage) We, therefore, recommend a filter with a minimum retention rate of $\beta_5 \geq 75$ for the pilot stage; and $\beta_{15} \geq 75$ for the main stage						
Hydraulic fluid	Mineral oil (HL, HLP) to DIN 51 524 Phosphate ester (HFD-R)						

Hydraulic fluid temperature range	°C	– 20 to +70	
Viscosity range	mm ² /s	20 to 380	
Hysteresis	%	≤ 6	
Repetitive accuracy	%	≤ 3	
Electrical			
Type of voltage	DC		
Nominal current, per proportional solenoid	– at 12 V	mA	1300
	– at 24 V	mA	700
Pilot current	mA ≤ 20		
Coil resistance	– value when cold at 20 °C	Ω	19,5 (24 V)
	– max. value when hot	Ω	28,8 (24 V)
			5,4 (12 V)
			7,9 (12 V)
Coil temperature	°C	to + 150	
Duty	Continuous		
Electrical connection	Plug connection to DIN 43 650/2-pin. + PE/Pg11		
Type of insulation to DIN 40 050	IP 65		
Electronic control (to separate order)	– Amplifier in Eurocard format	VT 3000 (see page 20 and data sheet RE 29 935) VT 3006 (see data sheet RE 29 926) VT 3024 (see data sheet RE 29 934)	
	– Amplifier in modular design	VT 11 013 (see data sheet RE 29 738)	



CRG-06-04-50



Specifications

Type of Connection	Model Numbers	Rated Flow* L/min (U.S.GPM)	Max. Operating Pres. MPa (PSI)	Cracking Pres. MPa (PSI)	Approx. Mass kg (lbs.)
Threaded Connection	CRT-03-* -50/5080/5090	40 (10.6)	25 (3630)	0.04 (6)	0.9 (2.0)
	CRT-06-* -50/5080/5090	125 (33)		0.35 (50)	1.7 (3.7)
	CRT-10-* -50/5080/5090	250 (66)		0.5 (70)	5.6 (12.3)
Sub-plate Mounting	CRG-03-* -50/5090	40 (10.6)	25 (3630)	0.04 (6)	1.7 (3.7)
	CRG-06-* -50/5090	125 (33)		0.35 (50)	2.9 (6.4)
	CRG-10-* -50/5090	250 (66)		0.5 (70)	5.5 (12.1)

★ Rated flow is the approximate flow rate, when there is a free flow pressure drop of maximum 0.3 MPa (44 PSI), the fluid has a specific gravity of 0.85 and a kinematic viscosity of 20 mm²/s (98 SSU), and the cracking pressure is 0.04 MPa (6 PSI).

CPDG-03-20-50



Specifications

Type of Connection	Model Numbers	Rated Flow* L/min (U.S.GPM)	Max. Operating Pres. MPa (PSI)	Cracking Pres. MPa (PSI)	Approx. Mass kg (lbs.)
Threaded Connection	CPT/CPDT-03-*-*-50*	40 (10.6)	25 (3630)	0.04 (6)	3.0 (6.6)
	CPT/CPDT-06-*-*-50*	125 (33)		0.2 (29)	5.5 (12.1)
	CPT/CPDT-10-*-*-50*	250 (66)		0.35 (50)	9.6 (21.2)
Sub-plate Mounting	CPG/CPDG-03-*-*-50*	40 (10.6)	25 (3630)	0.04 (6)	3.3 (7.3)
	CPG/CPDG-06-*-*-50*	125 (33)		0.2 (29)	5.4 (11.9)
	CPG/CPDG-10-*-*-50*	250 (66)		0.35 (50)	8.5 (18.7)
				0.5 (70)	

★ Rated flow is the approximate flow rate, when there is a free flow pressure drop of maximum 0.3 MPa (44 PSI), the fluid has a specific gravity of 0.85 and a kinematic viscosity of 20 mm²/s (98 SSU), and the cracking pressure is 0.04 MPa (6 PSI).

D3DW071HNJW

Technical data

General							
Design		Directional spool valve					
Actuation		Solenoid					
Size		DIN NG10 / CETOP 05 / NFPA D05					
Mounting interface		DIN 24340 A10 / ISO 4401 / CETOP RP 121-H / NFPA D05					
Mounting position		unrestricted, preferably horizontal					
Ambient temperature	[°C]	-25...+50					
Weight	[kg]	4.8 (1 solenoid), 6.3 (2 solenoids)					
Hydraulic							
Max. operating pressure	[bar]	P, A B: 350; T: 210 (DC), 105 (AC), 210 (AC Code "H")					
Fluid		Hydraulic oil in accordance with DIN 51524 / 51525					
Fluid temperature	[°C]	-25 ... +70					
Viscosity permitted	[cSt] / [mm²/s]	2.8...400					
Viscosity recommended	[cSt] / [mm²/s]	30...80					
Filtration		ISO 4406 (1999); 18/16/13 (meet NAS 1638: 7)					
Flow max.	[l/min]	150 (DC); 115 (AC)					
Leakage at 50 bar	[ml/min]	Up to 20 per flow path, depending on spool					
Static / Dynamic							
Step response		see table response time					
Electrical characteristics							
Duty ratio		100% ED; CAUTION: coil temperature up to 150 °C possible					
Max. switching frequency	[1/h]	10000					
Protection class		IP 65 in accordance with EN 60529 (plugged and mounted)					
Code		K	J	U	G	Y	T
Supply voltage / ripple	[V]	12 V =	24 V =	98 V =	205 V =	110V at 50Hz/ 120V at 60Hz	230V at 50Hz/ 240V at 60Hz
Tolerance supply voltage	[%]	±10	±10	±10	±10	±5	±5
Current consumption hold	[A]	3	1.5	0.37	0.18	0.8 / 0.72	0.4 / 0.36
Current consumption in rush	[A]	3	1.5	0.37	0.18	3.41 / 3.31	1.75 / 1.7
Power consumption hold	[W]	36	36	36	36	88 / 86	88 / 86
Power consumption in rush	[W]	36	36	36	36	375 / 397	385 / 408
Solenoid connection		Connector as per EN 175301-803, solenoid identification as per ISO 9461.					
Wiring min.	[mm²]	3 x 1.5 recommended					
Wiring length max.	[m]	50 recommended					



With electrical connections the protective conductor (PE \downarrow) must be connected according to the relevant regulations.

DBDS20P/200

Technical data

(For applications outside these values, please consult us!)

General					
Size	NG	6, 8	10	15, 20	25, 30
Weight	See pages 9, 11 and 12				
Installation position	any				
Ambient temperature range	°C	-30 ... +80 (NBR seals) -15 ... +80 (FKM seals)			
Minimum stability of the housing materials	Housing materials are to be selected so that there is sufficient safety for all imaginable operating conditions (e. g. with reference to pressure resistance, thread stripping strengths and tightening torques).				
MTTF _D values according to EN ISO 13849	years	150 ... 1200 (for more information see data sheet 08012)			

Hydraulic								
Maximum operating pressure	▶ Input	- Standard	bar	400	400	400	315	
		- Version "630"	bar	-	630	-	-	-
		▶ Output	bar	315	315	315	315	315
Minimum set pressure	See characteristic curves page 7							
Maximum flow (standard valves)	See characteristic curves page 8							
Hydraulic fluid	see table page 6							
Hydraulic fluid temperature range	°C	-30 ... +80 (NBR seals) -15 ... +80 (FKM seals)						
Viscosity range	mm ² /s	10 ... 800						
Maximum admissible degree of contamination of the hydraulic fluid; cleanliness class according to ISO 4406 (c)	Class 20/18/15 ¹⁾							

¹⁾ The cleanliness classes specified for the components must be adhered to in hydraulic systems. Effective filtration prevents faults and simultaneously increases the life cycle of the components.

Available filters can be found at www.boschrexroth.com/filter.

Deviating technical data for type-examination tested safety valves can be found on page 14.

Notice:

Hydraulic counter pressures in port T add 1:1 to the response pressure of the valve set at the adjustment type.

Example:

- ▶ Pressure adjustment of the valve due to spring preload (item 2 on page 4) $p_{\text{spring}} = 200 \text{ bar}$
- ▶ Hydraulic counter pressure in port T: $p_{\text{hydraulic}} = 50 \text{ bar}$
- ▶ \Rightarrow Response pressure = $p_{\text{spring}} + p_{\text{hydraulic}} = 250 \text{ bar}$

Technical data

(For applications outside these values, please consult us!)

Hydraulic fluid	Classification	Suitable sealing materials	Standards	Data sheet	
Mineral oils	HL, HLP, HLPD, HVLP, HVLPD	NBR, FKM	DIN 51524	90220	
Bio-degradable	▶ Insoluble in water	HETG	FKM	ISO 15380	90221
		HEES	FKM		
Flame-resistant	▶ Soluble in water	HEPG	FKM	ISO 15380	90222
		▶ Water-free	HFDU (glycol base)	FKM	
		HFDU (ester base)	FKM	ISO 12922	
		HFRD	FKM		
	▶ Containing water	HFC (Fuchs: Hydrotherm 46M, Renosafe 500; Petrofer: Ultra Safe 620; Houghton: Safe 620; Union: Carbide HP5046)	NBR	ISO 12922	90223

Important notices on hydraulic fluids:

- ▶ For further information and data on the use of other hydraulic fluids, please refer to the data sheets above or contact us.
- ▶ There may be limitations regarding the technical valve data (temperature, pressure range, life cycle, maintenance intervals, etc.).
- ▶ The ignition temperature of the hydraulic fluid used must be 50 K higher than the maximum surface temperature.
- ▶ **Bio-degradable and flame-resistant – containing water:** If components with galvanic zinc coating (e.g. version "J3" or "J5") or parts containing zinc are used, small amounts of dissolved zinc may get into the hydraulic system and cause accelerated aging of the hydraulic fluid. Zinc soap may form as a chemical reaction product, which may clog filters, nozzles and solenoid valves – particularly in connection with local heat input.

Flame-resistant – containing water:

Due to the increased cavitation tendency with HFC hydraulic fluids, the life cycle of the component may be reduced by up to 30% as compared to the use with mineral oil HLP. In order to reduce the cavitation effect, it is recommended – if possible specific to the installation – to back up the return flow pressure in ports T to approx. 20% of the pressure differential at the component.



ZDB6VP2-4X/200V

Technical data (for applications outside these parameters, please consult us!)

General

Weight	Type ZDB 6	kg	Approx. 1
	Type Z2DB 6	kg	Approx. 1,2
Installation	Optional		
Ambeint temperature range	°C	-20 to +80	

Hydraulic

Maximum operating pressure	bar	315
Maximum settable pressure	bar	50; 100; 200; 315
Maximum back pressure (port Y)	bar	315 (take the max. tank pressure of the built-on valve/directional valve into account!)
Maximum flow	L/min	60
Pressure fluid	Mineral oil (HL, HLP) to DIN 51524; fast bio-degradable pressure fluids to VDMA 24568 (also see RE 90221); HETG (rape seed oil); HEPG (polyglycols); HEES (synthetic ester); other pressure fluids on request	
Pressure fluid temperature range	°C	-20 to +80
Viscosity range	mm ² /s	10 to 800
Max. permissible degree of pressure fluid contamination Cleanliness class to ISO 4406 (c)	Class 20/18/15 ¹⁾	

¹⁾ The cleanliness class stated for the components must be adhered to in hydraulic systems. Effective filtration prevents faults from occurring and at the same time increases the components service life.

For the selection of filters see data sheets RE 50070, RE 50076, RE 50081, RE 50086 and RE 50088.



DR20-4-4X/200YM

Technical data (for applications outside these parameters, please consult us!)

General

Installation	Optional							
Ambient temperature range	°C	– 30 to + 50 for NBR seals						
	°C	– 20 to + 50 for FKM seals						
Weight	Subplate mounting	DR...	kg	DR 10	DR 16	DR 20	DR 25	DR 32
				3.4	–	5.3	–	8.0
		DRC...	kg	1.2				
		DRC 30...	kg	1.5				
	Threaded connections	DR..G...	kg	5.3	5.2	5.1	5.0	4.8

Hydraulic

Nominal pressure	bar	350 ¹⁾					
Maximum operating pressure at port B	bar	350 ¹⁾					
Operating pressure range at port A	bar	10 to 350 ¹⁾					
Maximum back pressure at port Y	bar	350 ¹⁾					
Settable pressure	Minimum	bar	Flow related (see characteristic curves on page 5)				
	Maximum	bar	50; 100; 200; 315; 350 ¹⁾				
Maximum flow	Subplate mounting	L/min	DR 10	DR 16	DR 20	DR 25	DR 32
			150	–	300	–	400
			150	300	300	400	400
Threaded connections	L/min						
		150	300	300	400	400	
Pressure fluid	Mineral oil (HL, HLP) to DIN 51 524 ²⁾ ; Fast bio-degradable pressure fluids is to VDMA 24 568 (also see RE 90 221); HETG (rape seed oil) ²⁾ ; HEPG (polyglycols) ³⁾ ; HEES (synthetic ester) ³⁾ ; Other pressure fluids on request						
Pressure fluid temperature range	°C	– 30 to + 80 for NBR seals					
	°C	– 20 to + 80 for FKM seals					
Viscosity range	mm ² /s	10 to 800					
Cleanliness class to ISO code	Maximum permissible degree of contamination of the pressure fluid is to ISO 4406 (C) class 20/18/15 ⁴⁾						



¹⁾ 350 bar only possible for version **without** check valve

²⁾ Suitable for NBR **and** FKM seals

³⁾ **Only** suitable for FKM seals

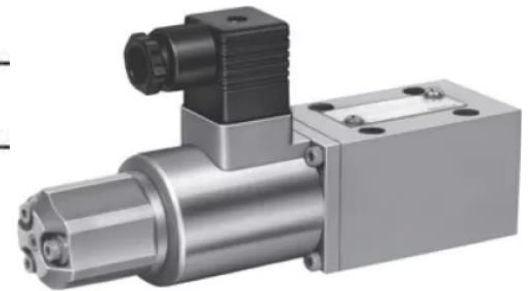
⁴⁾ The cleanliness class stated for the components must be adhered to in hydraulic systems. Effective filtration prevents faults from occurring and at the same time increases the component service life.

For the selection of filters see catalogue sheets RE 50 070, RE 50 076 and RE 50 081.

EDG-01V-C-1-PNT13-51

■ Specifications

Model Numbers	EDG-01
Description	
Max. Operating Pres.	24.5 MPa (3550 PSI)
Max. Flow	2 L/min (.53 U.S.GPM)
Min. Flow	0.3 L/min (.08 U.S.GPM)
Pressure Adj. Range MPa (PSI)	Refer to Model Number Designation
Rated Current	EDG-01*-B: 800 mA EDG-01*-C: 900 mA EDG-01*-H: 950 mA
Coil Resistance	10 Ω
Hysteresis	3% or less
Repeatability	1% or less
Approx. Mass	2 kg (4.4 lbs.)



EFBG-06-500-H-50

Specifications

Description		Model No.	EFBG-03 -250-*-*-51*	EFBG-06 -500-*-*-51*	EFBG-10 -1000-*-*-51*
Max. Operating Pressure MPa (PSI)			24.5 (3550)	24.5 (3550)	24.5 (3550)
Max. Flow L/min (U.S.GPM)			250 (66)	500 (132)	1000 (264)
Metred Flow Adjustment Range L/min (U.S.GPM)			2.5-250 (.66-66)	5-500 (1.32-132)	10-1000 (2.64-264)
Min. Pilot Pressure MPa (PSI)			1.5 (220)	1.5 (220)	1.5 (220)
Pilot Flow L/min (U.S.GPM)		at Normal	1 (.26)	1 (.26)	4.5 (1.19)
		at Transition	4 (1.06)	6 (1.59)	10.0 (2.64)
Flow Controls	Rated Currnt		830 mA	780 mA	830 mA
	Coil Resistance		10 Ω	10 Ω	10 Ω
	Differential Pressure MPa (PSI)		0.8 (115)	0.9 (130)	1.2 (174)
	Hysteresis		3% or less	3% or less	3% or less
	Repeatability		1% or less	1% or less	1% or less
Pressure Controls ^{★1}	Pres. Adj. Range MPa (PSI) ^{★2}	C: 1.6-15.7 (230-2275)	C: 1.5-15.7 (220-2275)	C: 1.1-15.7 (160-2275)	
		H: 1.8-24.5 (260-3550)	H: 1.5-24.5 (220-3550)	H: 1.1-24.5 (160-3550)	
	Rated Current		C: 850 mA H: 870 mA	C: 800 mA H: 900 mA	C: 900 mA H: 950 mA
	Coil Resistance		10 Ω	10 Ω	10 Ω
	Hysteresis		3% or less	3% or less	3% or less
	Repeatability		1% or less	1% or less	1% or less
Approx. Mass kg (lbs.)		Refer to page 735 to 737			



★1. The specifications for pressure controls are applied to models with proportional pilot relief valve. (Ex. EFBG-03-250-C-*-51)

★2. The maximum pressure adjustment range of the valves without proportional pilot relief valves is 24.5 MPa (3550 PSI).

TDA040EW09AZNXW

General									
Size	NG16	NG25	NG32	NG40	NG50	NG63	NG80	NG100	
Interface	Slip-in cartridge according to ISO 7368								
Mounting Position	Unrestricted								
Ambient Temperature	-20°C to +80°C (-4°F to +176°F)								
Hydraulic									
Maximum Operating Pressure	Ports A, B and X: 350 Bar (5075 PSI), Port Y 10: Bar (145 PSI) maximum								
Nominal Flow	LPM	220	500	950	1400	2300	4000	6000	9500
$\Delta p = 10$ Bar (145 PSI)	GPM	(58)	(132)	(251)	(370)	(609)	(1058)	(1587)	(2513)
Flow Direction	See Ordering Information								
Fluid	Hydraulic oil according to DIN 51524 ... 525								
Viscosity Recommended	30 to 80 cSt (mm ² /s)								
Viscosity Permitted	20 to 380 cSt (mm ² /s)								
Fluid Temperature	0°C to +60°C (+32°F to +140°F)								
Filtration	ISO 4406 (1999); 18/16/13 (meet NAS 1638:7)								
Minimum Pilot Pressure	> 25% of system pressure								
Minimum Operating Pressure	Port A to B at 10 Bar (145 PSI), B to A at 15 Bar (208 PSI)								
Pilot Oil Supply	Depending on flow direction A or B using X or external X								
Pilot Oil Drain	External using Y, 10 Bar (145 PSI) maximum								
Pilot Oil at p = 100 Bar (1450 PSI)	Port X to Y < 1.5 LPM (0.4 GPM)								
Opening Point	At 30% of nominal current								
Manufacturing Tolerance	±5% of Qnom								
Static / Dynamic									
Hysteresis	< 3%								
Repeatability	< 1%								
Response Time	20 ms	25 ms	30 ms	35 ms	45 ms	55 ms	65 ms	80 ms	
$p_x = 50$ Bar (725 PSI)									
Electrical (Proportional Solenoid)									
Duty Ratio	100% ED								
Protection Class	IP65 in accordance with EN 60529 (plugged and mounted)								
Solenoid	Code	L				X			
	Size	NG16-50	NG63-100		NG16-50	NG63-100			
Solenoid Voltage	6 VDC				16 VDC				
Nominal Current (100% ED)	2.6 amps				1.05 amps				
Nominal Resistance	2.2 Ohm		2.5 Ohm		11.3 Ohm		14 Ohm		
Power Amplifier Recommended	PCD00A-400								
Solenoid Connection	Connector as per EN 175301-803								



The pilot pressure in X-line must be at least 25% (NG16-40) or 45% (NG50-100) of the pressure in the draining-off line of the cartridge to make sure that the main poppet closes safely without malfunction.

TEA040EW09B2NXWJ20

Technical Specifications

Port Connection:	NG40	Function:	Flow direction from B to A
Seal Material:	NBR	Input Voltage:	16 VDC
Solenoid Option:	24 V / 1.25 A	Product Series:	Throttle valve
Operation Type:	Pilot	Actuation Type:	Proportional
Function:	2-way	Mounting Type:	Slip-in cartridge
Mounting Position:	Unrestricted	Configuration:	N/A
Maximum Operating Pressure:	350 bar	Minimum Pilot Pressure:	> 25 % of system pressure
Maximum Flow Rate:	1400 L/min	Flow Rate:	N/A
Flow Direction:	B to A	Maximum Operating Temperature:	60 °C
Minimum Operating Temperature:	-20 °C	Seal Material:	NBR
For Fluid Type:	Hydraulic oil according to DIN 51524	Weight:	13 kg



TEA050EW09B2NXWJ

Technical Specifications

Port Connection:	NG50	Function:	Flow direction from B to A
Seal Material:	NBR	Input Voltage:	16 VDC
Solenoid Option:	24 V / 1.25 A	Product Series:	Throttle valve
Operation Type:	Pilot	Actuation Type:	Proportional
Function:	2-way	Mounting Type:	Slip-in cartridge
Mounting Position:	Unrestricted	Configuration:	N/A
Maximum Operating Pressure:	350 bar	Minimum Pilot Pressure:	> 25 % of system pressure
Maximum Flow Rate:	2300 L/min	Flow Rate:	N/A
Flow Direction:	B to A	Maximum Operating Temperature:	60 °C
Minimum Operating Temperature:	-20 °C	Seal Material:	NBR
For Fluid Type:	Hydraulic oil according to DIN 51524	Weight:	22 kg



TEA100EW09B2NXWJ

Technical Specifications

Port Connection:	NG100	Function:	Flow direction from B to A
Seal Material:	NBR	Input Voltage:	16 VDC
Solenoid Option:	24 V / 1.25 A	Product Series:	Throttle valve
Operation Type:	Pilot	Actuation Type:	Proportional
Function:	2-way	Mounting Type:	Slip-in cartridge
Mounting Position:	Unrestricted	Configuration:	N/A
Maximum Operating Pressure:	350 bar	Minimum Pilot Pressure:	> 25 % of system pressure
Maximum Flow Rate:	9500 L/min	Flow Rate:	N/A
Flow Direction:	B to A	Maximum Operating Temperature:	60 °C
Minimum Operating Temperature:	-20 °C	Seal Material:	NBR
For Fluid Type:	Hydraulic oil according to DIN 51524	Weight:	85 kg
Body Material:	Steel		

