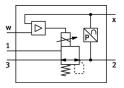
Proportional-pressure regulator VPPL-3L-3-G14-0L20H-A4-A-S1-6

FESTO

Part number: 1635992





General operating condition

Data sheet

ominal size, exhaust pre of actuation Electric Soft outning position Optional Preferably vertical Preferably vertical Directly actuated piston regulator not circuit current rating no nax. cable length 30 m Safety position VPPL: if the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted, the output pressure drops to 0 bar. Very problem of the power supply cable is interrupted. Very problem of the power supply cable is interrupted. Very problem of the power supply cable is interrupted. Very problem of the power supply cable is interrupted. Very problem of	Feature	Value
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Padling principle Soft Jounting position Preferably vertical Directly actuated piston regulator Preferably vertical Preferably vertical Directly actuated piston regulator Preferably vertical	Nominal size, exhaust	3 mm
optional Preferably vertical esign Directly actuated piston regulator no possible for the circuit current rating no n	Type of actuation	Electric
Preferably vertical esign Directly actuated piston regulator hort circuit current rating no lax. cable length 30 m Safety position VPPL: if the power supply cable is interrupted, the output pressure drops to 0 bar. ymbol 00991479 everse polarity protection For all electrical connections // Preferably vertical pressure drops to 0 bar. // Preferably protection For all electrical connections // Preferably vertical // Preferably vertical // Preferably vertical // Preferably vertical // Preferably vertical // Preferably vertical // Safety position regulator // Preferably vertical // Preferably vertical // Safety position regulator // Preferably vertical // Preferably vertical // Safety position regulator // Preferably vertical // Preferably vertical // Preferably vertical // Safety position regulator // Preferably vertical // Preferably vertical // Safety position regulator // Preferably vertical // Pref	Sealing principle	Soft
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Safety position VPPL: if the power supply cable is interrupted, the output pressure drops to 0 bar. ymbol 00991479 Everse polarity protection For all electrical connections ype of reset Mechanical spring piece of piloting Direct alve function 3-way proportional-pressure regulator, closed isplay type LED indicator perating pressure \$2 MPa perating pressure \$20 bar ressure regulation range 0.02 MPa 2 MPa ressure regulation range 0.2 bar 20 bar ressure regulation range 0.2 bar 50 bar let pressure 1 0 bar 5 MPa lax. pressure hysteresis 0.01 MPa lax. pressure hysteresis 0.1 bar lax. pressure hysteresis 0.1 bar lax. pressure hysteresis 1.45 psi value 0.25 value 0.25 value 0.8 I/sbar tandard nominal flow rate (standardised to DIN 1343) 245 I/min standard nominal flow rate 2-3 witching time of 428 ms perational voltage range DC 21.6 V 27.6 V	Short circuit current rating	no
output pressure drops to 0 bar. ymbol 00991479 Everse polarity protection For all electrical connections Appe of reset Mechanical spring Direct Joing Dir	Max. cable length	30 m
For all electrical connections Appe of reset Appe of piloting Appe of piloting Appe of piloting Appe of piloting Apperating pressure Apperating pressure press	Safety instructions	
Mechanical spring pe of piloting pe of piloting alve function 3-way proportional-pressure regulator, closed isplay type LED indicator \$2 MPa perating pressure \$20 bar ressure regulation range 0.02 MPa 2 MPa ressure regulation range 0.2 bar 20 bar ressure regulation range 0.2 bar 20 bar ressure sulation range 0.0 MPa 5 MPa lax. pressure hysteresis 0.01 MPa lax. pressure hysteresis 0.1 bar lax. pressure hysteresis 0.1 bar lax. pressure hysteresis 0.25 value 0.25 value 0.8 I/sbar tandard nominal flow rate (standardised to DIN 1343) 245 I/min tandard nominal flow rate 2-3 witching time off 654 ms witching time on perational voltage range DC 21.6 V 27.6 V	Symbol	00991479
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alve function 3-way proportional-pressure regulator, closed LED indicator perating pressure perating pressure pressure regulator, closed perating pressure perating pressure perating pressure regulator perating pressure perating pressu	Type of reset	Mechanical spring
LED indicator perating pressure perating pressure	Type of piloting	Direct
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perating pressure sessure regulation range 0.02 MPa 2 MPa ressure regulation range 0.2 bar 20 bar 0.2 bar 20 bar 1	Display type	LED indicator
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ressure regulation range O.2 bar 20 bar O bar 50 bar O bar 50 bar O MPa 5 MPa Iax. pressure hysteresis O.1 bar Iax. pressure hysteresis O.2 bar 20 bar O MPa 5 MPa Iax. pressure hysteresis O.1 bar Iax. pressure hysteresis O.25 value O.8 l/sbar tandard nominal flow rate (standardised to DIN 1343) 245 l/min tandard nominal flow rate 2-3 witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Operating pressure	≤20 bar
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lax. pressure hysteresis ax. pressure hysteresis 0.1 bar 1.45 psi value 0.25 value 0.8 l/sbar tandard nominal flow rate (standardised to DIN 1343) tandard nominal flow rate 2-3 witching time off 428 ms perational voltage range DC 0.1 bar 0.2 bar 1.45 psi 0.25 245 l/min 245 l/min 245 l/min 250 descriptional voltage range DC 21.6 V 27.6 V	Inlet pressure 1	0 bar 50 bar
lax. pressure hysteresis ax. pressure hysteresis 1.45 psi value 0.25 value 0.8 l/sbar tandard nominal flow rate (standardised to DIN 1343) 245 l/min tandard nominal flow rate 2-3 282 l/min witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Inlet pressure 1	0 MPa 5 MPa
1.45 psi value 0.25 value 0.8 l/sbar tandard nominal flow rate (standardised to DIN 1343) 245 l/min tandard nominal flow rate 2-3 witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Max. pressure hysteresis	0.01 MPa
value 0.25 value 0.8 l/sbar tandard nominal flow rate (standardised to DIN 1343) 245 l/min tandard nominal flow rate 2-3 282 l/min witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Max. pressure hysteresis	0.1 bar
value 0.8 l/sbar tandard nominal flow rate (standardised to DIN 1343) 245 l/min tandard nominal flow rate 2-3 282 l/min witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Max. pressure hysteresis	1.45 psi
tandard nominal flow rate (standardised to DIN 1343) 245 l/min 282 l/min witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	b value	0.25
tandard nominal flow rate 2-3 282 l/min witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	C value	0.8 l/sbar
witching time off 654 ms witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Standard nominal flow rate (standardised to DIN 1343)	245 l/min
witching time on 428 ms perational voltage range DC 21.6 V 27.6 V	Standard nominal flow rate 2-3	282 l/min
perational voltage range DC 21.6 V 27.6 V	Switching time off	654 ms
	Switching time on	428 ms
	Operational voltage range DC	21.6 V 27.6 V
uty cycle 100%	Duty cycle	100%
ax. electrical power consumption 26.7 W	Max. electrical power consumption	26.7 W

Feature	Value
Residual ripple	10 %
Signal range analogue output	4 - 20 mA
Signal range analogue input	4 - 20 mA
SETPOINT/ACTUAL values	Current type 4-20 mA
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Approval	c UL us listed (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Media temperature	5 °C 50 °C
Degree of protection	IP65
Ambient temperature	5 °C 50 °C
Storage temperature	-10 °C 60 °C
Product weight	1100 g
Linearity error in ± %FS	0.5 %FS
Total accuracy	0.5% FS
Temperature cooefficient	0.04 %/K
Repetition accuracy in ± %FS	0.5 %FS
Electrical connection diagnostics interface	Socket, M12, 5-pin, A-coded
Electrical connection, IN	Plug connector, M12, 5-pin, A-coded
Electrical connection, OUT	Plug connector, M12, 5-pin, A-coded
Type of mounting	With through-hole
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Note on materials	RoHS-compliant
Material housing	Anodised wrought aluminium alloy