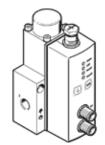
proportional pressure regulator VPPL-3L-3-G14-0L40H-V1-V-S1-7 Part number: 1635980

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Data sheet

Nominal diameter, exhaust 2.5 mm Nominal diameter, exhaust 2.5 mm Type of actuation electrical Sealing principle soft Assembly position Any Preferably upright Design structure Short circuit strength No Safety instructions Safety setting VPPL Polarity protected for all electrical connections Type of reset mechanical spring Type of display LED display Pressure regulation range 0.440 bar Nax. pressure thysteresis 0.3 bar Max. pressure thysteresis 0.3 bar Data protected 0.8 lybar Standard nominal flow rate 0.8 lybar Switching time off 550 ms Switching time on 300 ms Operating voltage range DC 21.6 27.6 V Duty cycle 10% Signal range, analogue input 0 - 10 V Signal range, analogue output 0 - 10 V Signal range, analogue output 0 - 10 V Signal range, analogue output 0 - 10 V <th>Feature</th> <th>values</th>	Feature	values
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C value 0.8 l/sbar Standard nominal flow rate 300 l/min Switching time off 550 ms Switching time on 300 ms Operating voltage range DC 21.6 27.6 V Duty cycle 100% Max. electrical power consumption 26.7 W Residual ripple 10 % Signal range, analogue output 0 - 10 V Signal range, analogue input 0 - 10 V SETPOINT/ACTUAL values Voltage type 0 - 10 V Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium C E mark (see declaration of conformity) to EU directive for EMC Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 50 °C Protection class IP65 Ambient temperature 10 60 °C Product weight 1,100 g Linearity error in ± %FS 1 %FS Temperature coefficient 0.04 %/K Repetition accuracy in ± %FS 1 %FS Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded	Max. pressure hysteresis	0.3 bar
Standard nominal flow rate 300 l/min Switching time off 550 ms Switching time on 300 ms Operating voltage range DC 21.6 27.6 V Duty cycle 100% Max. electrical power consumption 26.7 W Residual ripple 10 % Signal range, analogue output 0 - 10 V Signal range, analogue input 0 - 10 V SETPOINT/ACTUAL values Voltage type 0 - 10 V Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium CE mark (see declaration of conformity) to EU directive for EMC Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 50 °C Product weight 1,100 g Linearity error in ± %FS 1 %FS Temperature coefficient 0.04 %/K Repetition accuracy in ± %FS 1 %FS Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded		0.25
Switching time off 550 ms Switching time on 300 ms Operating voltage range DC 21.6 27.6 V Duty cycle 100% Max. electrical power consumption 26.7 W Residual ripple 10 % Signal range, analogue output 0 - 10 V Signal range, analogue input 0 - 10 V Signal range, analogue input 0 - 10 V Sepreting medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible CE CE mark (see declaration of conformity) to EU directive for EMC Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 50 °C Protection class IP65 Ambient temperature -10 60 °C Product weight 1,100 g Linearity error in ± %FS 1 %FS Temperature coefficient 0.04 %/K Repetition accuracy in ± %FS 1 %FS Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded	C value	0.8 l/sbar
Switching time on 300 ms Operating voltage range DC 21.6 27.6 V Duty cycle 100% Max. electrical power consumption 26.7 W Residual ripple 10 % Signal range, analogue output 0 - 10 V Signal range, analogue input 0 - 10 V SETPOINT/ACTUAL values Voltage type 0 - 10 V Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium CE mark (see declaration of conformity) to EU directive for EMC Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 50 °C Protection class IP65 Ambient temperature -10 60 °C Product weight 1,100 g Linearity error in ± %FS 1 %FS Temperature coefficient 0.04 %/K Respetition accuracy in ± %FS 1 %FS Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded	Standard nominal flow rate	300 l/min
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Temperature coefficient 0.04 %/K Repetition accuracy in ± %FS 1 %FS Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded Electrical connection IN Plug, M12, 5-pin, A-coded	-	
Repetition accuracy in ± %FS 1 %FS Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded Electrical connection IN Plug, M12, 5-pin, A-coded		
Diagnosis interface electrical connection Socket, M12, 5-pin, A-coded Electrical connection IN Plug, M12, 5-pin, A-coded		
Electrical connection IN Plug, M12, 5-pin, A-coded		
3 , 1	<u> </u>	
TEIEGUIGAI CONTEGUOTI OUT	Electrical connection OUT	Plug, M12, 5-pin, A-coded
Mounting type with through hole		
Pneumatic connection, port 1 G1/4		



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Feature	values
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Materials information, housing	Wrought Aluminium alloy
	Anodised