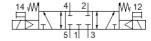
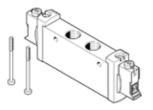
solenoid valve VUVG-L18-P53C-T-G14-1P3 Part number: 574431







Data sheet

Type of actuation Standard nominal flow rate 1,200 l/min Operating pressure 3 8 bar Operating pressure Piston slide Type of reset Authorisation RCM Mark c CSA us (01) c Ut us - Recognized (01) Protection class IP40 IP65 With plug socket Nominal size 6.5 mm Exhaust air function Exhaust air function Hrottleable Sealing principle Soft Assembly position Manual override Quishing Covered Type of piloting Pilot air supply Internal Pilot air supply Internal Pilot gressure 3 8 bar Switching time off Switching time off Switching time off Switching time eversal Duty cycle Max. pogative test pulse with logic 0 Max. pogative test pulse with logic 1 Operating medium Axa. regarite test pulse with logic 1 Operating medium Compressed air in accordance with FN Operation medium temperature Since of CC Corrosion resistance Shock resistance Shock resistance Shock resistance Shock resistance Some Corrosion stress Since of CC Corrosion resistance classification CRC 2 - Moderate corrosion stress Since of CC Corrosion resistance classification CRC Since of CC Corrosion resistance operating medium temperature Since of CC Corrosion resistance classification CRC Since of CC Corrosion resistance classification CRC Since operating stress as severity level 2 in accordance with FN Operating medium temperature Since operating on stress Since operating and pilot medium temperature Since operating severating severati	Feature	Value
Valve size 18 mm 1,200 l/min Operating pressure 3 8 bar Design structure Piston slide Prope of reset Authorisation RCM Mark c CSA us (Ol) cUL us - Recognized (Ot) Protection class IP40 IP65 with plug socket Nominal size Exhaust-air function Exhaust-air function Sealing principle Soft Assembly position Manual override detenting Pushing Covered Type of piloting Ip10 air supply Internal Overlap Pilot air supply Overlap Pilot pressure Switching time off Switching time off Switching time reversal Duty cycle Max. regative test pulse with logic 0 Max. regative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7-4:4] Lubricated operating and EN of CES with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock resistance Medium temperature 5 60 °C Shock resistance Ison in the supple in a condition stress Since on the serversal Paperature of the serversal operating and in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock test with severily level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance cassification CRC 2 - Moderate corrosion stress 5 60 °C	Valve function	5/3 closed
Standard nominal flow rate Operating pressure Design structure Piston slide Type of reset Authorisation RCM Mark c CSA us (OL) c Ut us - Recognized (OL) Protection class Protection class Protection class Protection class Protection the standard protection of the standard protection class Protection class Protection the standard protection of	Type of actuation	electrical
Operating pressure Fiston slide Pigon of reset mechanical spring Authorisation RCM Mark CCSA us (QL) CUL us - Recognized (QL) Protection class IP40 Protection class Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle soft Sealing principle sof	Valve size	18 mm
Design structure Type of reset Muthorisation RCM Mark C CSA US (OL) CLU LUS - Recognized (OL) Protection class IP40 IP65 Nominal size IP65 Nominal size IP65 Sealing principle	Standard nominal flow rate	1,200 l/min
Type of reset Authorisation RCM Mark CCSA us (OL) CUL us - Recognized (OL) Protection class	Operating pressure	3 8 bar
Authorisation RCM Mark c CSA us (OL) c UL us - Recognized (OL) Protection class IP40 IP65 with plug socket 6.5 mm Exhaust-air function Sealing principle Sealing principle Assembly position Manual override detenting Pushing Covered Type of piloting Piloted Pilot air supply Internal Positive overlap Pilot pressure 3 8 bar Switching time on 15 ms Switching time on 15 ms Switching time reversal 29 ms Duty cycle 1000 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Deraits with logic 1 Deraits is consequently required for further operating medium Permissible voltage fluctuation Querating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Positive resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Restriction ambient and medium temperature Shock resistance Corrosion resistance Ambient temperature S 60 °C Corrosion resistance Cannel with Enger and Positive Ambient temperature S 60 °C	Design structure	Piston slide
c CSA us (OL) c UL us - Recognized (OL) Protection class IP40 IP65 with plug socket Nominal size 6.5 mm Exhaust-air function Exhaust-air function Sealing principle soft Assembly position Any Manual override detenting Pushing Covered Pliote Pliot air supply Internal Overlap Plot pressure 3 8 bar Switching time off 48 ms Switching time off 48 ms Switching time reversal Duty cycle 100 % Max. negative test pulse with logic 0 Max. positive test pulse with logic 1 Oharacteristic coil data 24 V DC: 1 W 24 V DC: 1 W 24 V DC: 1 W 24 V DC: 1 wc-urrent phase 0.3 W, high-current phase 1.0 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium operation Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 66068-2-26 Restriction ambient and medium temperature 5-5-60 °C Without holding current reduction Shock resistance Corrosion resistance classification CRC Ambient temperature 5 60 °C Corrosion resistance consulting and pilot memory and processed and proc	Type of reset	mechanical spring
c UL us - Recognized (OL) Protection class IP40 IP65 with plug socket Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle Sealing principle Assembly position Manual override detenting Pushing Covered Pushing Covered Pilot air supply Internal Overlap Plott air supply Internal Overlap Positive overlap Pilot pressure 38 bar Switching time off 48 ms Switching time off 48 ms Switching time reversal Duty cycle Max. positive est pulse with logic 0 Max. negative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Utbricated operation possible (subsequently required for further operation) Vibration resistance Restriction ambient and medium temperature Shock resistance Shock resistance Shock resistance Shock sesistance Shock corrosion resistance classification CRC Ambient temperature S 60 °C Corrosion resistance classification CRC Ambient temperature S 60 °C	Authorisation	RCM Mark
Protection class P40 P65 with plug socket		c CSA us (OL)
IP65 with plug socket		c UL us - Recognized (OL)
with plug socket Nominal size Exhaust-air function Sealing principle Soft Assembly position Manual override detenting Pushing Covered Type of piloting Pilot air supply Internal Overlap Pilot air supply Internal Overlap Pilot pressure 3 8 bar Switching time off Switching time off Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Characteristic coil data 24 V DC: 1 W 24 V DC: 1 W 26 V DC: low-current phase 0.3 W, high-current phase 1.0 W Permissible voltage fluctuation Volte on operating and pilot medium Pilot medium temperature Shock resistance Shock resistance Shock resistance Corrosion resistance classification CRC Ambient temperature Ambient temperature 4 60 °C Ambient temperature Ambient temperature 5 60 °C Ambient temperature Ambient temperature Ambient temperature 5 60 °C Ambient temperature Ambient temperature Ambient temperature 5 60 °C Ambient temperature Ambient temperature Ambient temperature 5 60 °C Ambient temperature 5 60 °C Ambient temperature Ambient tempe	Protection class	- 1 1
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Manual override detenting Pushing Covered		Anv
Pushing Covered Type of pilotting Pilot air supply Pilot air supply Positive overlap Positive overlap Pilot pressure 3 8 bar Switching time off Switching time on Switching time reversal 29 ms Duty cycle 100 % Max. positive test pulse with logic 0 700 µs Max. negative test pulse with logic 1 Poraracteristic coil data 24 V DC: 1W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-6 Without holding current reduction Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance Cassification CRC Ambient temperature 5 60 °C Ambient temperature -5 60 °C Ambient temperature -5 60 °C		
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Medium temperature -5 60 °C Ambient temperature -5 60 °C	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN
Medium temperature -5 60 °C Ambient temperature -5 60 °C	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature -5 60 °C		
·	,	
LIDUAL MEISTI	Product weight	160 g



Feature	Value
Electrical connection	Via electrical connection plate
Mounting type	Optional
	on manifold rail
	with through hole
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Wrought Aluminium alloy