

Local controllers DLP-VSE

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Technical data

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This local controller is a convenient manual unit for controlling process actuators. Using a local controller, a pneumatic drive can assume the functionality of an electrical drive.

- Can be mounted directly on the actuator or on a wall
- Emergency compressed air connection
- Safe thanks to its key-operated switch with removable key
- Large, long-life fluorescent display for the open/closed position of the process valve
- Operated on site or remote-controlled



General technical data					
Type	DLP- VSE-2-5/2-C	DLP- VSE-2-5/2-O	DLP- VSE-3-5/3-G	DLP- VSE-3-5/3-G-ASI	DLP- VSE-3-5/3-G-DP
Type of mounting	Via through-holes				
	Via accessories				
Operating pressure [bar]	3 ... 8				
Nominal operating pressure [bar]	6				
Voltage supply [V DC]	20.4 ... 28.8			–	20.4 ... 28.8
Voltage supply with AS-interface [V DC]	–			26.5 ... 31.6	–
Auxiliary voltage supply with AS-interface [V DC]	–			20.4 ... 28.8	–
Max. current consumption [mA]	120			180	
Duty cycle of solenoid coils [%]	100				
Product weight [g]	1,600			1,700	
Protection class	IP65 Plug connector when fully pushed in, or fitted with protective cover				

Operating and environmental conditions	
Operating medium	Filtered compressed air, unlubricated, grade of filtration 50 µm Filtered compressed air, lubricated, grade of filtration 50 µm
Ambient temperature [°C]	–5 ... +50 based on EN 60654-1 class C1 (use in weather-protected areas)
Optional ambient temperature [°C]	–25 ... +55 to EN 60654-1 class C2 (use in weather-protected areas)
Relative air humidity [%]	5 ... 100 condensing
Corrosion resistance class CRC ¹⁾	3
CE mark (see declaration of conformity)	In accordance with EU EMC directive

1) Corrosion resistance class 3 to Festo standard 940 070

Components requiring higher corrosion resistance. External visible parts in direct contact with industrial atmospheres or media such as solvents and cleaning agents, with a predominantly functional requirement for the surface

Materials	
Housing	Wrought aluminium alloy
Cap	Wrought aluminium alloy, anodised
External screws	Galvanised steel
Seals	Nitrile rubber

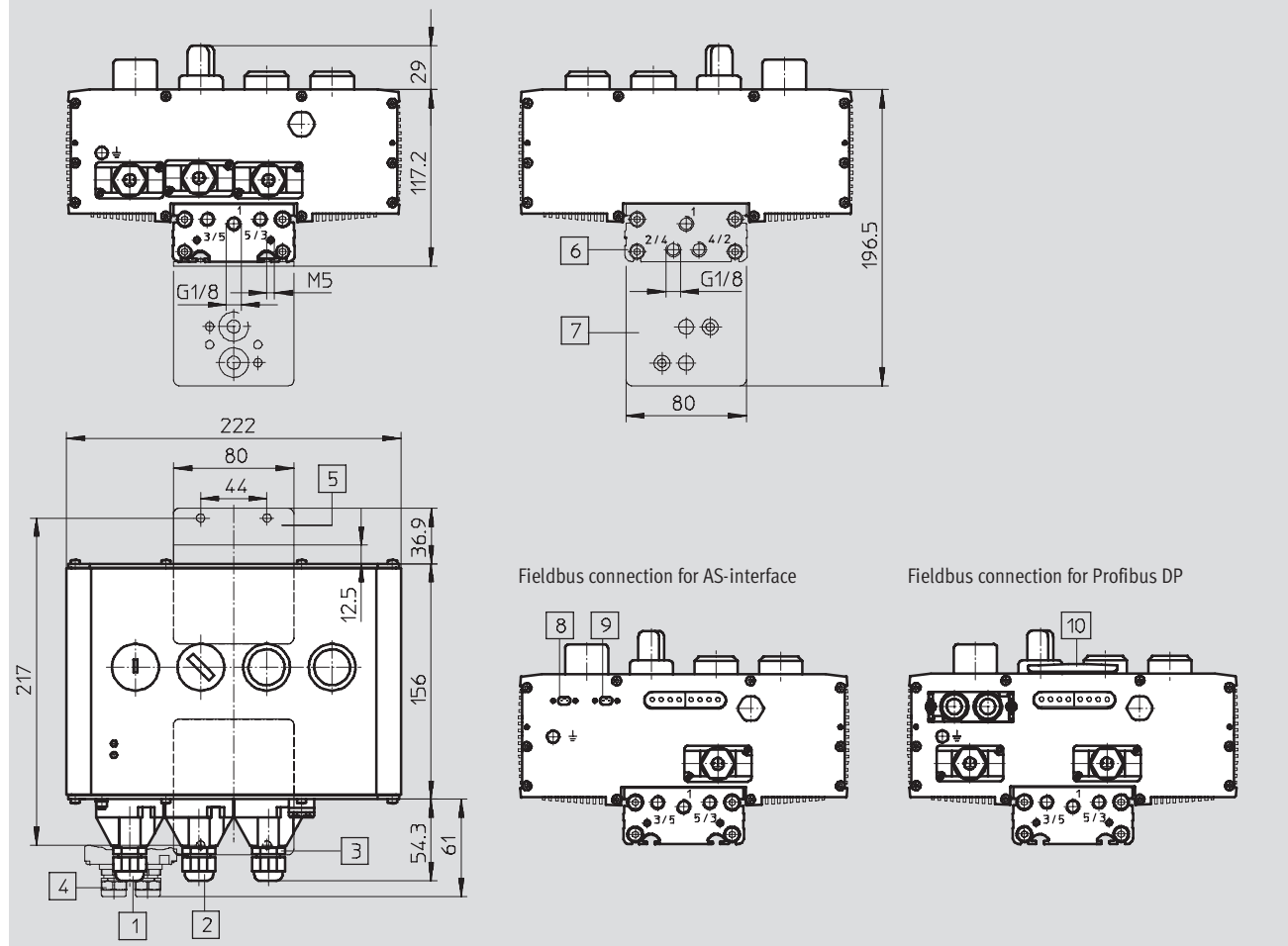
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Dimensions

Download CAD data → www.festo.com



		Standalone	Fieldbus connection	
		PLC	AS-interface	Profibus DP
1	Power supply	■	–	■
2	PLC connection or external controller	■	–	–
3	Limit switch inputs	■	■	■
4	Cable socket for AS-interface Sub-D plug	–	■ Accessories → 5	■ Accessories → 5
5	Mounting kit DLP-VSE-BP for wall mounting	■ Accessories → 5	■ Accessories → 5	■ Accessories → 5
6	Sub-base DLP-VSE-OBEN for wall mounting	■ Accessories → 5	■ Accessories → 5	■ Accessories → 5
7	Sub-base DLP-VSE-OBEN-NAMUR for mounting on the linear actuator DLP	■ Accessories → 5	■ Accessories → 5	■ Accessories → 5
8	Voltage supply with AS-interface	–	■	–
9	AS-interface bus connection	–	■	–
10	Switch cover for Profibus addressing	–	–	■

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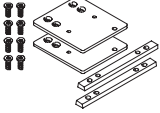

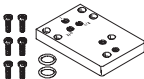







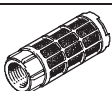
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Ordering data		
Brief description	Part No.	Type
Integrated 5/2-way valve, converted mechanically into a 3/2-way valve, normally closed, by sealing working port 2	188 463	DLP-VSE-2-5/2-C
Integrated 5/2-way valve, converted mechanically into a 3/2-way valve, normally open, by sealing working port 4	188 466	DLP-VSE-2-5/2-O
Integrated 5/3-way valve, normally closed	188 472	DLP-VSE-3-5/3-G
Integrated 5/3-way valve, normally closed, with AS-interface fieldbus connection	188 473	DLP-VSE-3-5/3-G-ASI
Integrated 5/3-way valve, normally closed, with Profibus DP fieldbus connection	188 474	DLP-VSE-3-5/3-G-DP

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Accessories

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Ordering data				
	Brief description	Part No.	Type	PU ¹⁾
Mounting				
	Mounting kit for wall mounting in conjunction with the sub-base DLP-VSE-OBEN	192 062	DLP-VSE-BP	1
	Sub-base in conjunction with mounting kit DLP-VSE-BP for tubing connection in the direction of the drive	192 061	DLP-VSE-OBEN	1
	Sub-base for mounting on the linear valve actuator DLP	192 060	DLP-VSE-OBEN-NAMUR	1
Fieldbus connection Technical data → Internet: asi, fbs				
	Cable socket for AS-interface	18 785	ASI-SD-FK	1
	Cable socket for AS-interface	196 089	ASI-SD-FK180	1
	Sub-D plug for Profibus DP	532 216	FBS-SUB-9-GS-DP-B	1
Fittings Technical data → Internet: fittings				
	Push-in fitting, male thread with internal hex	153 015	QS-1/8-8-I	1
	Barbed fitting, high-alloy stainless steel with sealing ring	13 967	CRCN-M5-PK-3	1
	Barbed fitting, high-alloy stainless steel with sealing ring	13 970	CRCN-1/8-PK-4	1
	Quick connector, aluminium design with sealing ring for plastic tubing PL, PP, PU	3 561	CK-M5-PK-3	10
	Quick connector, plastic design with moulded-on sealing ring for plastic tubing PL, PP, PU	2 028	CK-1/8-PK-6	10
Silencer Technical data → Internet: u				
	Sintered bronze	4 645	U-M5	10
	Polymer	2 307	U-1/8	1

1) Packaging unit quantity