Condensate drain, electric PWEA

Characteristics

At a glance

Condensate passes through the connection hole in the bottom of the filter bowl into the attached condensate drain valve, where it is collected in a reservoir. A capacitive sensor recognises when the maximum fill level is reached.
The condensate escapes to the outside through the opened diaphragm valve via the outlet pipe. The diaphragm valve closes again after a preset switching time. A residual amount of condensate remains in the reservoir so that no compressed air can escape into the discharge line.

- Fully automatic condensate drain with independent electric controller
- Interface available for communicating with master control device
- Reliable thanks to non-contacting capacitive sensor
- Can be used with service unit components or simply in piping systems
- Operated via membrane keys or electrical interface
- Ready status and switching status indicated via LEDs and electrical interface

Type code

001	Series	
PWEA	Condensate drain	

002	Electrical connection	
AC	Screw terminal	

003	Nominal operating voltage	
3D	24 V DC	
6A	115 V AC	
7A	230 V AC	

Datasheet

General technical data	
Pneumatic connection	G1/2
Condensate drain connection	PK-8
Design	External, electric, fully automatic
Measured variable	Level
Type of mounting	In-line installation
Mounting position	Vertical +/-5°
Valve function	3/2-way, closed, monostable
Manual override	Non-detenting

Electrical data			
Nominal operating voltage	24 V DC	115 V AC	230 V AC
Electrical connection	Screw terminal		
Nominal operating voltage AC	–	115 V	230 V
Nominal operating voltage DC	24 V	–	
Mains frequency	–	50 ... 60 Hz	
Nominal rating of condensate drain	2 W	–	
Nominal rating of condensate drain	–	2 VA	
Operator controls	Touch sensitive keyboard, With test button		
Ready status indication	LED		
Alarm output	Contacting		
Degree of protection	IP65, To IEC 60529		
Protection class	III		

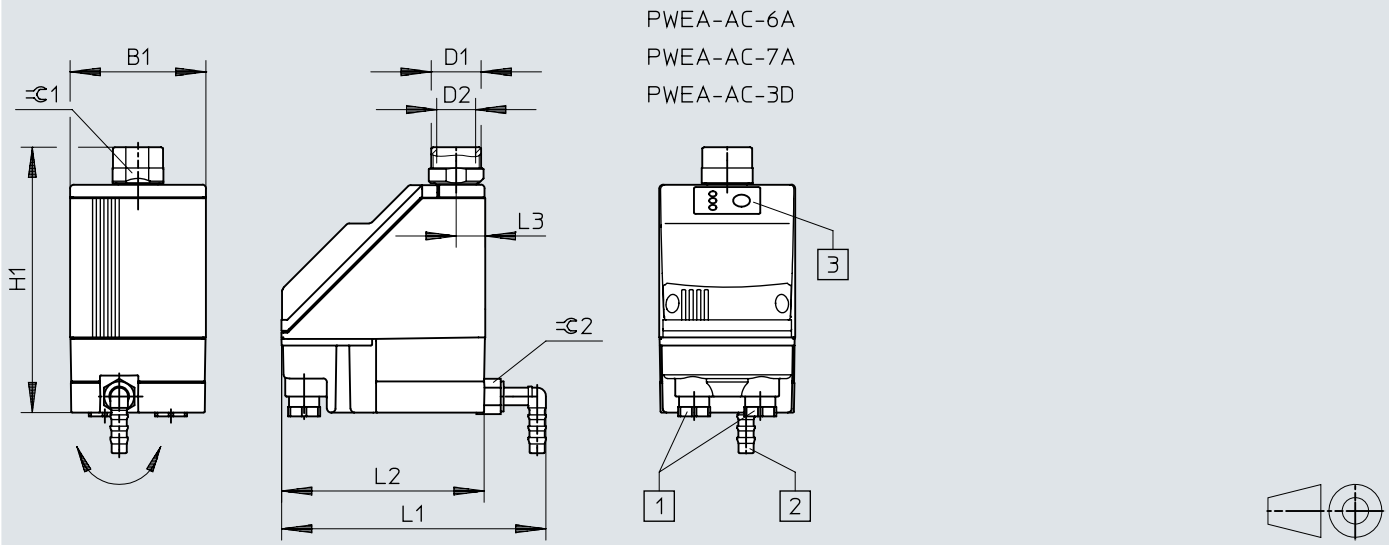
Operating and environmental conditions			
Nominal operating voltage	24 V DC	115 V AC	230 V AC
Condensate drain connection	PK-8		
Operating pressure	0.8 ... 16 bar		
Operating medium	Compressed air to ISO 8573-1:2010 [-:-:-]		
Ambient temperature	1 ... 60°C		
Media temperature	1 ... 60°C		
Storage temperature	-10 ... 60°C		
Corrosion resistance class CRC [1]	2 - Moderate corrosion stress		
CE mark (see declaration of conformity)	To EU EMC Directive	To EU EMC Directive, To EU Low Voltage Directive	
CE marking (see declaration of conformity)	To UK instructions for EMC, To UK RoHS instructions, To UK regulations for electrical equipment		
Approval	C-Tick		
KC mark	KC-EMV		

1) More information www.festo.com/x/topic/crc

Materials	
Condensate drain connection	PK-8
Material housing	Polymer
Material condensate container	Wrought aluminium alloy
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Dimensions

Dimensions – Condensate drain Download CAD data www.festo.com



[1] Screw terminal PG9
[2] Connection can be rotated 360° for plastic tubing PUN-H-12x2
[3] Membrane keyboard with LED display

	B1	D1	D2	H1	L1	L2	L3	⌀1	⌀2
PWEA	72	G3/4	G1/2	140	140	108	15	27	16

Ordering data

Ordering data

	Nominal operating voltage	Pneumatic connection	Product weight	Part no.	Type
	24 V DC	G1/2	700 g	**538681**	**PWEA-AC-3D**
	115 V AC			**538679**	**PWEA-AC-6A**
	230 V AC			**538680**	**PWEA-AC-7A**