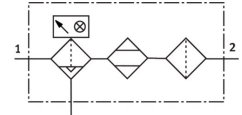


# Desiccant air dryer

## PDAD-51-G3/8

Part number: 552173

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                        | Value                                                                                                            |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Mounting position                              | Vertical<br>Horizontal                                                                                           |
| Structural design                              | Cold-regenerating adsorption dryer                                                                               |
| Symbol                                         | 00992135                                                                                                         |
| Inlet pressure 1                               | 4 bar ... 16 bar                                                                                                 |
| Power consumption at 24 VDC                    | 9.6 W                                                                                                            |
| Power consumption with 230 VAC                 | 16 VA                                                                                                            |
| Contamination level                            | 2                                                                                                                |
| KC characters                                  | KC EMC                                                                                                           |
| CE marking (see declaration of conformity)     | As per EU EMC directive<br>As per EU low voltage directive                                                       |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK instructions for electrical equipment                                        |
| Operating medium                               | Compressed air as per ISO 8573-1:2010 [6:::4]                                                                    |
| Information on operating and pilot media       | Operation with oil lubrication not possible<br>no water in liquid form                                           |
| Pressure dew point                             | -40 °C                                                                                                           |
| Pressure dew point for reduced rate of flow    | -70 °C                                                                                                           |
| Corrosion resistance class (CRC)               | 2 - Moderate corrosion stress                                                                                    |
| LABS (PWIS) conformity                         | VDMA24364-B1/B2-L                                                                                                |
| Storage temperature                            | -20 °C ... 60 °C                                                                                                 |
| Air quality class at the output                | Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C<br>Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C |
| Temperature of medium                          | 2 °C ... 50 °C                                                                                                   |
| Degree of protection                           | IP65                                                                                                             |
| Protection class                               | II                                                                                                               |
| Overvoltage category                           | II                                                                                                               |
| Ambient temperature                            | 5 °C ... 50 °C                                                                                                   |
| Product weight                                 | 24000 g                                                                                                          |
| Electrical connection 1, function              | Power supply AC                                                                                                  |
| Electrical connection 1, connection type       | Socket                                                                                                           |
| Electrical connection 1, connection technology | Plug pattern type C as per industry standard, 9.4 mm                                                             |
| Electrical connection 1, number of pins/wires  | 3                                                                                                                |
| Electrical connection 1, occupied pins/wires   | 2                                                                                                                |
| Electrical connection 2, function              | Power supply DC                                                                                                  |
| Electrical connection 2, connection type       | Socket                                                                                                           |
| Electrical connection 2, connection technology | Connection diagram form C as per industrial standard, 9.4 mm                                                     |

| Feature                                       | Value                  |
|-----------------------------------------------|------------------------|
| Electrical connection 2, number of pins/wires | 4                      |
| Electrical connection 2, occupied pins/wires  | 2                      |
| Type of mounting                              | With accessories       |
| Pneumatic connection 1                        | G3/8                   |
| Pneumatic connection 2                        | G3/8                   |
| Note on materials                             | RoHS-compliant         |
| Housing material                              | Wrought aluminum alloy |