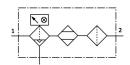
Desiccant air dryer PDAD-51-G3/8 Part number: 552173

FESTO





General operating condition

Horizontal Structural design Cold-regenerating adsorption dryer Symbol O0992135 Inlet pressure 1 4 bar 16 bar Power consumption at 24 VDC Power consumption with 230 VAC In 6 VA Contamination level CE marking (see declaration of conformity) As per EU EMC directive As per EU Lion voltage directive UKCA marking (see declaration of conformity) To UK instructions for Pett Color Solvential and pilot media Operating medium Compressed air as per 150 8573-1;2010 [6:-4] Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form Pressure dew point Pressure dew point 40° Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Corrosion resistance class (CRC) 2 - Moderate corrosion stress Air quality class at the output Compressed air as per 150 8573-1;2010 [2:1:2] at -70°C Compressed of the operation of th	Feature	Value
Structural design Cold-regenerating adsorption dryer Symbol Opp92135 Power consumption at 24 VDC Power consumption at 24 VDC Power consumption with 230 VAC In 6 VA Contamination level CC Characters KC CEMC CE marking (see declaration of conformity) As per EU LMC directive As per EU low voltage directive In UK instructions for EMC Operating medium Compressed air as per ISO 8573-1:2010 [6:-4] Operating medium Compressed air as per ISO 8573-1:2010 [6:-4] Operating medium Operating and pilot media Operating with in illubrication not possible 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 VDMA2364-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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40 °C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40 °C Protection class II Diversor of medium 2 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambient temperature 5 °C 50 °C Protection class II Ambi	Mounting position	
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 As per EU EMC directive As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK instructions for EMC To UK instructions for EMC 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 no water in liquid form Pressure dew point 4-0°C Corrosion resistance class (CRC) 2 Moderate corrosion stress UASA (PWIS) conformity VOMA24364-81/82-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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 2 °C 50 °C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 2 °C 50 °C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 5 °C 50 °C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPOS To Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C IPO		
The pressure 1		
Power consumption at 24 VDC Power consumption with 230 VAC Contamination level 2 KC EMC CE marking (see declaration of conformity) As per EU low voltage directive As per EU low voltage directive As per EU low voltage directive CE marking (see declaration of conformity) Compressed air as per ISO 8573-1:2010 [6::4] Deparating medium Compressed air as per ISO 8573-1:2010 [6::4] Deparating medium Compressed air as per ISO 8573-1:2010 [6::4] Deparating medium Compressed air as per ISO 8573-1:2010 [6::4] 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 Compressed air as per ISO 8573-1:2010 [2:1:2] at -40°C Pressure dem point Protection class II Deported to reduced to red	Symbol	00992135
Power consumption with 230 VAC Contamination level CC Contamination level CC Emarking (See declaration of conformity) CE marking (See declaration of conformity) CE marking (See declaration of conformity) CD perating medium CD perating medium CD perating medium CD perating and pilot media CO perating with oil lubrication not possible no water in liquid form Pressure dew point For reduced rate of flow CO Pressure sistance class (CRC) CO Pressure sistance class (CRC) CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure dew point for reduced rate of flow CO Pressure day for the flow flow flow flow flow flow flow flow	Inlet pressure 1	4 bar 16 bar
Contamination level CC characters KC EMC KC EMC Emarking (see declaration of conformity) As per EU low voltage directive JUKCA marking (see declaration of conformity) To UK instructions for EMC To UK instructions for electrical equipment To UK instructions for EMC To UK instruction for EMC To UK instructions for EMC To	Power consumption at 24 VDC	9.6 W
KC characters KC EMC CE marking (see declaration of conformity) As per EU EMC directive As per EU low voltage directive To UK instructions for EMC To UK instructions for EMC To UK instructions for EMC To UK instructions for electrical equipment Compressed air as per ISO 8573-1:2010 [6::4] Information on operating and pilot media Operation with oil lubrication not possible 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 VDMA24364-81/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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Temperature of medium 2 °C 50 °C Temperature of medium 2 °C 50 °C Temperature of protection IP65 Protection class II Opervoltage category II Ambient temperature 5 °C 50 °C Product weight 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 2 Electrical connection 2, connection type Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Power consumption with 230 VAC	16 VA
As per EU EMC directive As per EU low voltage directive As per EU low voltage directive As per EU low voltage directive To UK instructions for EMC To UK instructions for EMC 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 no water in liquid form Pressure dew point -40 °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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature 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, connection type Socket Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, connection type Electrical connection 1, number of pins/wires 2 Electrical connection 1, conception type Electrical connection 1, conception type Electrical connection 2, connection type Electrical connection 1, connection type Electrical connection 1, conception flywires 2 Electrical connection 2, connection type	Contamination level	2
As per EU low voltage directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK instructions for EMC To UK instructions for EMC To UK instructions for electrical equipment Compressed air as per ISO 8573-1:2010 [6:-:4] Information on operating and pilot media Operation with oil lubrication not possible no water in liquid form Pressure dew point Pressure dew point for reduced rate of flow -70 °C Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VOMA24364-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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Info Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Info Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Info Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Info Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Info Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Info Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Emperature of medium 2 °C 50 °C Electrical contection Info Compressed air as per ISO 8573-1:2010 [2:1:2] at -40°C Electrical contection Info Compressed air as per ISO 8573-1:2010 [2:1:2] at -40°C Electrical contection Info Compressed air as per ISO 8573-1:2010 [2:1:2] at -40°C Electrical contection Info Compressed air as per ISO 8573-1:2010 [2:1:2] at -40°C Electrical connection I, unmer of pins/wires 2 Electrical connection I, unmber of pins/wires 2 Electrical connection I, unchard of pins/wires 3 Electrical connection I, unchard of pins/wires 4 Powe	KC characters	KC EMC
To UK instructions for electrical equipment Compressed air as per ISO 8573-1:2010 [6:-:4] Information on operating and pilot media Operation with oil lubrication not possible 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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40 °C Emperature of medium 2 °C 50 °C Emperature of protection IP65 Protection class II Devervoltage category II Ambient temperature 5 °C 50 °C Product weight 24000 g Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection type 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 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Electrical connection 2, function Power supply DC Electrical connection 2, connection type	CE marking (see declaration of conformity)	'
Operation with oil lubrication not possible no water in liquid form Pressure dew point Pressure dew point for reduced rate of flow Prosection class (CRC) Product weight Product weight Product weight Product weight Product weight Production 1, connection type Production 1, connection type Production 1, connection type Production 1, number of pins/wires Production 2, connection 1, function Power supply DC Production 2, connection type Production 2, connection 2, function Power supply DC Production 2, connection type Production 3, connection 4, power supply DC Production 3, connection 5, connection 6, power supply DC Production 6, connection 6, connection 6, power supply DC Production 6, connection 6, connection 6, power supply DC Production 6, connection 6, connection 6, power supply DC Production 6, connection 6, connection 6, connection 6, power supply DC Production 6, connection 6	UKCA marking (see declaration of conformity)	
no water in liquid form -40 °C Pressure dew point Pressure dew point for reduced rate of flow -70 °C Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-81/B2-L Storage temperature -20 °C 60 °C Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 2 °C 50 °C Ill Degree of protection IP65 Protection class Il Devervoltage category Il Ambient temperature 5 °C 50 °C Product weight Electrical connection 1, function Power supply AC Electrical connection 1, connection type Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, number of pins/wires 2 Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Operating medium	Compressed air as per ISO 8573-1:2010 [6:-:4]
Pressure dew point for reduced rate of flow 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 Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 2 °C 50 °C Imperature of protection IP65 Protection class II Overvoltage category II Ambient temperature 5 °C 50 °C Product weight 2 4000 g Electrical connection 1, function Power supply AC Electrical connection 1, connection type 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, function Power supply DC Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Information on operating and pilot media	_ ' '
Corrosion resistance class (CRC) 2 - Moderate corrosion stress VDMA24364-B1/B2-L Storage temperature -20 °C 60 °C Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Imperature of medium 2 °C 50 °C Degree of protection IP65 Protection class II Devervoltage category II Ambient temperature 5 °C 50 °C Product weight Electrical connection 1, function Power supply AC Electrical connection 1, connection type 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	Pressure dew point	-40 °C
VDMA24364-B1/B2-L Storage temperature -20 °C 60 °C Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Degree of protection IP65 Protection class II Devervoltage category Ambient temperature 5 °C 50 °C Product weight Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Pressure dew point for reduced rate of flow	-70 °C
Storage temperature -20 °C 60 °C Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Emperature of medium 2 °C 50 °C Degree of protection IP65 Protection class II Divervoltage category II Ambient temperature 5 °C 50 °C Product weight Electrical connection 1, function Power supply AC Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Air quality class at the output Compressed air as per ISO 8573-1:2010 [2:1:2] at -70°C Compressed air as per ISO 8573-1:2010 [2:2:2] at -40°C Gemperature 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 Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	LABS (PWIS) conformity	VDMA24364-B1/B2-L
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 III Ambient temperature 5 ° C 50 ° C Product weight Electrical connection 1, function Power supply AC Electrical connection 1, connection type 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	Storage temperature	-20 °C 60 °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, occupied pins/wires 3 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Air quality class at the output	, , , , , , , , , , , , , , , , , , , ,
Protection class Divervoltage category Ambient temperature 5 °C 50 °C Product weight Electrical connection 1, function Electrical connection 1, connection type Electrical connection 1, connection technology Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 2, function Power supply AC Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Temperature of medium	2 °C 50 °C
Overvoltage category Ambient temperature 5 °C 50 °C Product weight Electrical connection 1, function Power supply AC Electrical connection 1, connection type 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	Degree of protection	IP65
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	Protection class	II
Product weight 24000 g Electrical connection 1, function Power supply AC Electrical connection 1, connection type 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	Overvoltage category	II
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	Ambient temperature	5 °C 50 °C
Electrical connection 1, connection type Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Product weight	24000 g
Electrical connection 1, connection technology Plug pattern type C as per industry standard, 9.4 mm Electrical connection 1, number of pins/wires Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Electrical connection 1, function	Power supply AC
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 1, connection type	Socket
Electrical connection 1, occupied pins/wires 2 Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Electrical connection 1, connection technology	Plug pattern type C as per industry standard, 9.4 mm
Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	Electrical connection 1, number of pins/wires	3
Electrical connection 2, function Power supply DC Electrical connection 2, connection type Socket	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	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