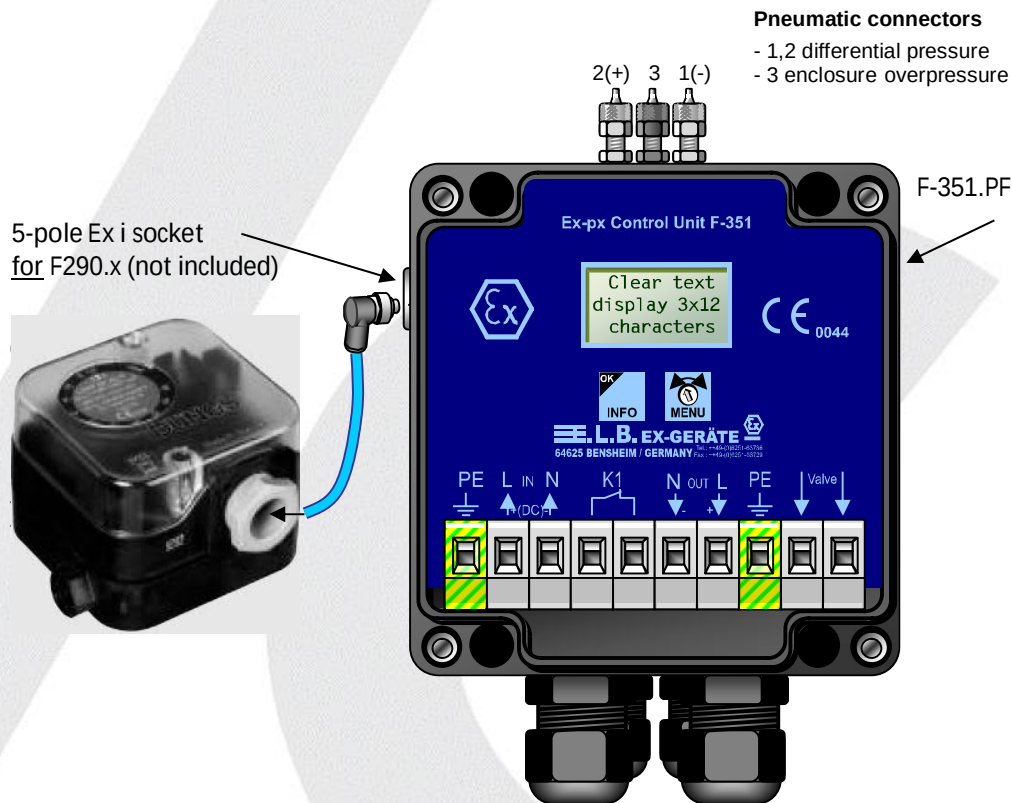


Description special purge control unit F-351.PF

As addition to the basic functional description of purge control unit F-351.

Control unit F-351.PF
(F-351.P
F

External connections for internal and differential pressure detection
with additional socket for pressure sensor (F-290.x) connection option

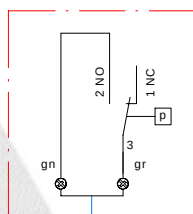


Deviating from standard, here is an additional terminal assignment:

(F-351.PF+F-290.x Anschlussbild_en.wmf)

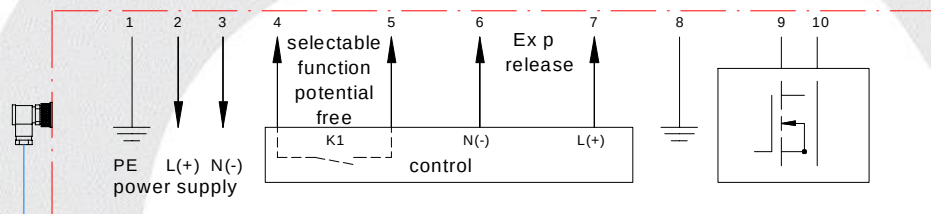
-S2

F-290.x



-A1

F-351.PF





Excerpt from the F-350 operating instructions:

Mains voltage:
(see also type plate)

230 (±10%) / VAC / 48 – 62 Hz
Optional: 24 / 115 (±10%) VAC,
250 (+5/-15%) VAC,
12 / 24 VDC

Current consumption:

30 mA at 230 V AC
60 mA at 115 V AC
300 mA at 24 V AC
200 mA at 12 / 24 V DC

Contact circuit:

1 to 60 minutes with on - delay

Contact circuits according to Table VDE 0435:

Contact voltage	Type of current	Max.current	Power factor cos φ	Utilization category	L / R
250 V	AC	6 A / 12 A*	1		
240 V	AC	3 A	0.3	AC-15	
24 V	DC	6 A / 12 A*			0 ms
30 V	DC	2.5 A		DC-13	50 ms

*According to moulding standard EN 50028 („m“): 12 A; according to EN 60079-18 („mb“): 6 A

Terminal screw tightening torque:

min. 0.6 to max. 0.8 Nm

Admissible wire diameter:

0.2 ... 4 mm² (24 ... 12 AWG)

Maximum length of bare wire:

8 mm with the wire fully introduced
(No accessible metal parts admitted
outside of the clamp)

Reset for mains failure:

≥ 2 s

Pressure control module:

integrated into the control system

Pressure switch “Purge”:

Standard flow rate 0.8 - 4 l/s

As option:

0,3 ... 7,65 l/s (partly with accessories)

As option differential pressure (versions .P,.B,.F...):

10 - 2500 Pa (0.1 - 25 mbar)

Pressure switch “MIN” (static overpressure):

80 - 2500 Pa (0.8 - 25 mbar)

Pressure switch “MAX” (static overpressure):

500 - 2500 Pa (5 - 25 mbar)

Ambient temperature during storage / transport:

–40 °C to +70 °C, without condensation

Ambient temperature during operation:

–30 °C to +60 °C, without condensation

Enclosure material:

GRP (glass reinforced plastic), black

Dimensions (mm):

length of enclosure: 122
width of enclosure: 120
height of enclosure, approx.: 94
protrusion of air outlet: 40
protrusion of cable glands, approx.: 35
protrusion of connection for
external units, approx.: 1.5
protrusion of connection with plug: 22
diameter of air outlet: 40
Cable inlets: 2 x M20x1,5
2 x M16x1,5

Weight control unit:

approx. 1,8 kg