

LB 9104

24 V DC Power Supply

only for LB 9101, LB 9121



Product features

- Mounting in Zone 2 or outside hazardous areas
- Can be plugged-in during operation for service in Zone 2 (observe conditions)
- Supplies 8 I/O modules and a communication unit
- Galvanic isolation in the I/O modules and in the communication unit
- EMC to EN 61326 or NE21
- Redundant supply of comm. units through 2 power supplies in the first 2 segments
- Green Power-On LED

Technical data:

Power supply	24 V DC, 20 ... 30 V
DC voltage	3.15 A mtg
Internal fuse	15 A (20 ms)
Start up current	max. 12 W
Power consumption	
Power consumption of a substation with 24 E/A	max. 32 W (3 power supplies)
substation with 48 E/A	max. 62 W (6 power supplies)
	When fitted with predominantly digital inputs, the power consumption is markedly lower/ see manual for details
Power supply	Screw terminals on the left and right-hand end piece of the backplane (max. 1.5 mm ²)
Redundancy	redundant supply of comm units through 2 power supplies in the first 2 segments. substation power redundancy only with LB 9006 and backplanes LB 9022 and LB 9024 preferably with LB 9101 and LB 9103.
Application	In rare cases useable with base unit LB 9022 and extension unit LB 9024
Additional function	
Segmentation	Substations are subdivided into 1 to 6 segments thus achieving a high availability. Should one power supply fail, max. 8 modules will be affected.
Selector	The power supply module houses the selector for the data transfer to 8 modules each. Should one module fail, no other slots will be affected. At the same time, the selector ensures that the modules are self configuring and that no setting-up is required when replacing a module.

Explosion protection:

Category	II 3 G D EEx nA II
Approval	PTB 99 ATEX 2186

Ordering details

Function	Type	Order No.
24 V DC power Supply	LB 9104 A	GHG 127 0000 A9104

