



SB-15/20

TECHNICAL INFORMATION

SB-15/20 Zener Safety Barrier.

The **SB-15/20** is a set of fifteen barriers 20V unipolar in a single metal cabinet, compact and lightweight. It limits the power of electrical equipment installed in hazardous areas to a safe level even during failures. An extra fuse protects every barrier of high current failures, into the secure area so they do not reach the permanent short-circuit without the need of replacement.

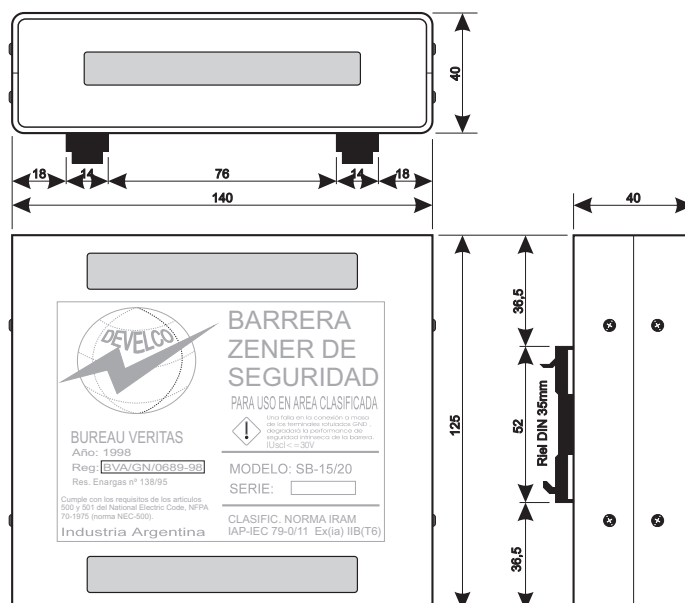
The **SB-15/20** complies with the requirements of articles 500 and 501 of the National Electric Code NFPA 70-1995 (standard NEC 500) and with IRAM IAP-IEC 79-0/11.



General features

- ❑ Meets Standards IRAM-IAP-IEC.
- ❑ Meets NEC-500 standards.
- ❑ Set of 15 lines (barriers).
- ❑ Barriers protected by fuses.
- ❑ Small size.
- ❑ Cabinet cash.
- ❑ DIN riel mounting on de 35mm.
- ❑ Guarantee of inviolability.
- ❑ Classification IRAM Ex (ia) IIB (T6).
- ❑ Approved and certified by BUREAU VERITAS Argentina.
- ❑ DEVELCO guaranteed.

Dimensions



All measures are in millimeters

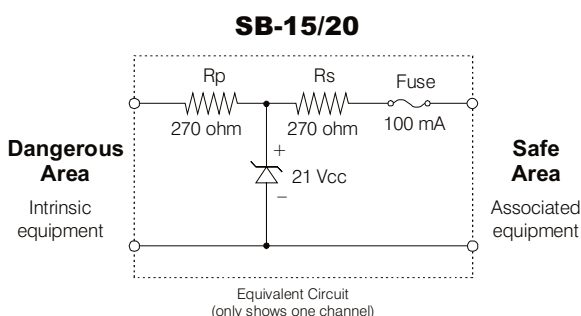
TECHNICAL SPECIFICATIONS

MAXIMUM VOLTAGE WITHOUT CUTTING	+ 20			Vcc
RESISTANCE FROM ENDS	Minimum 510	Typical 540	Maximum 570	Ohms
CURRENT MAXIMUM HAZARDOUS AREA	75			mA
CURRENT MAXIMUM SAFE AREA	100			mA
TEMPERATURE OPERATION	Minimum - 25	Maximum + 65		°C

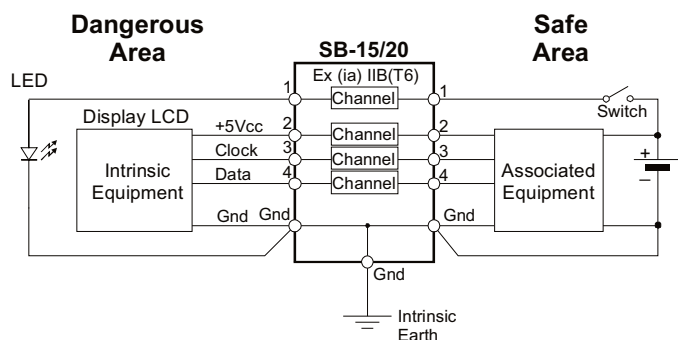
STANDARDS

Argentine Institute Rationalization of Materials Argentine Institute of Petroleum International Electrotechnical Commission	IRAM-IAP IEC 79 0/11		
National Electric Code	NEC500 Article 500 y 501		
DEVELCO	Quality Standards		
BUREAU VERITAS ARGENTINA	Homologation	Enrollment BVG 103/1	Registration BVA/GN/0376-00
ENERGAS	Aprobation	Record Number 138/95	

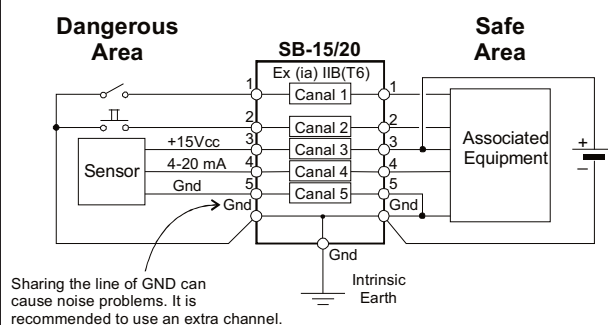
DIAGRAM AND INTERNAL WIRING



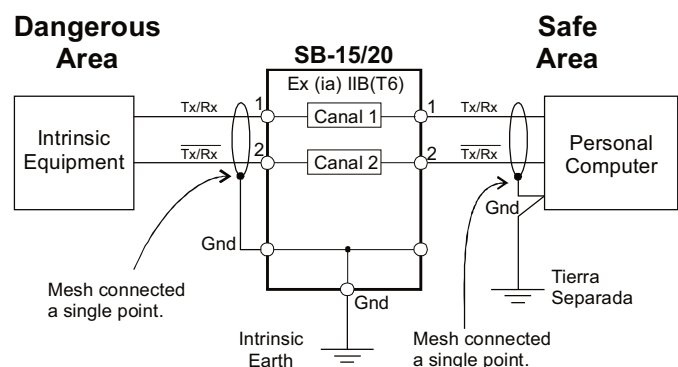
Picture 1: Diagram inside the barrier.



Picture 2: LED indicator and LCD Display



Picture 3: 4-20 mA sensor and contacts.



Picture 4: Communication channel standard RS-485.