

## SB-F7011 Module

The Safety Bus system allows the Fire and Fire & Gas detection and the firefighting control in a unique bus assuring a high safety level. The system is composed by one or two control cards, that are integrated in the panel S81-HS, and up to 64 addressable remote modules installed in the field. The communication between the control cards and the addressable modules is based on an enhanced safety version of CAN protocol (Controller Area Network) with ring architecture to guarantee the best functionality in fault condition and high communication speed.









This board manages communication with the I/O modules. It monitors the communication ring and receives all the signals coming from the I/O modules. It can be used in either mono or duplex configuration mode, to increase the system availability.

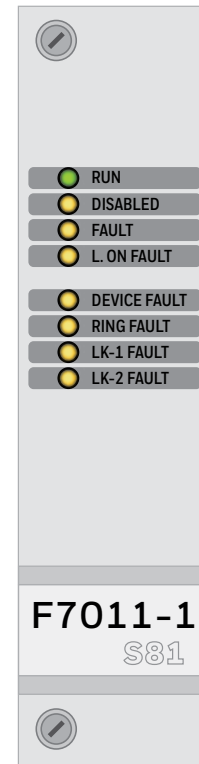
### FEATURES & BENEFITS

- Wide area coverage
- Easy addition of IO in existing system
- SIL 2/3, UL, EN, Atex approved installations
- Large capacity of 64 modules/ loop
- Redundant network
- Available with weather proof and explosion proof housing

### Visual Indications

The front panel of the board features 8 LEDs that indicate the following conditions:

TAG	COLOR	MODE	CONDITION
RUN	 Green	Off	Board out of order
		Blinking	Board in Slave mode
		On Solid	Board in Master mode
DISABLED	 Yellow	Off	No channel/point disabled
		On Solid	At least one channel/point disabled
FAULT	 Yellow	Off	No line device fault
		Blinking	Line/device Fault
L. ON FAULT	 Yellow	Off	No discrepancy between programmed and detected modules
		Blinking	Discrepancy between programmed and detected modules
DEVICE FAULT	 Yellow	Off	No module failure
		Blinking	Module failure
RING FAULT	 Yellow	Off	No interruption of communication ring
		Blinking	Communication ring interrupted
LK1-FAULT	 Yellow	Off	Communication on Link LK1 present
		Blinking	Communication failure on Link LK1
LK2-FAULT	 Yellow	Off	Communication on Link LK2 present
		Blinking	Communication failure on Link LK2



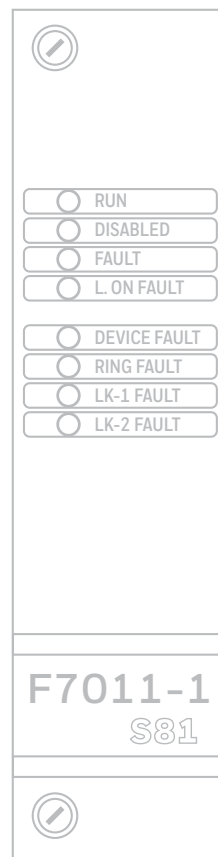
# SB-F7011 Module Technical Specifications

APPLICABLE SAFETY CATEGORY	Up to SIL3 in duplex configuration mode
REDUNDANCY	Yes
MAX NUMBER OF MODULES PER RING	64
POWER SUPPLY VOLTAGE	22-28VDC
CURRENT CONSUMPTION IN STAND BY	80mA
OPERATING TEMPERATURE	-5 / +50 °C
STORAGE TEMPERATURE	-55 / +85 °C
MAX HUMIDITY	0-95% non condensing
MAX DISTANCE IN COPPER BETWEEN THE PANEL AND THE FIRST/LAST MODULE	500m

## Agency listings and approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

**UL Listed UL 864 UL 2017:** File No.: S24857  
**EN-54 -17, EN 54-18:** File No.: 0051-CPR-0449  
**SIL 2/3 Certified:** File No.: 16-SIL-0010017-02-TIC  
 Agency: TUV



## For more information

[www.scomesistemi.it](http://www.scomesistemi.it)

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