# Readers for SFERA New entry panels of Bticino systems
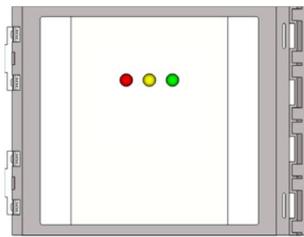
Reader module 125 kHz (TF/EM/HID Proximity/Prastel) with integrated door controller designed for installation in *SFERA New* entry panels of *Bticino* audio and video systems.

The reader modules are integrated in the bottom part of the Namespace module and occupy space of a single standard module. The module has to be covered with a top part of a Namespace module with appropriate design matching the panel type.

Remote relay module can be used for increased security.

Basic technical features

	APS mini	APS 400
Trade description	**MREM 58 SferON**	**NREM 58 SferON**
Operating voltage	9 ÷ 32 V DC	
Current consumption	Typical 27 mA (27 V), 50 mA (12 V), max. 140 mA (9 V)	
ID technology	125 kHz (TF / EM / HID Proximity / Prastel)	
Typical reading range	4 / 4 / 3 / 4 cm (with ISO card)	
Card memory	2,000 users + 2 master cards	748[*] (emergency funtion)
Events memory	3,400	-[*]
Time schedules	64 per day of the week and holidays + never / always	-[*]
Real-time clock	Available, with self-backup for 12 hours	-[*]
Inputs	1x door contact, 1x REX button	2x input[*]
Outputs, indicators	2x relay NC/NO, 2A/24V, 3x LED, 1x PIEZO buzzer	
Input / output port	1x – external tamper / external reader buzzer control	
Communication interface	RS 485	
Optional data interface	Wiegand input / output (configurable)	
Tamper protection	Reed contact (against tearring-off, requires MAG)	
Weight	0.114 kg	
Operating environment	-25°C ÷ +60°C, humidity max. 95% non-condensing	
Protection class	IP 54 (built in entry panel)	
Dimensions	115 x 91 x 27 mm	
Connecting cable	2x 0.5 m	

[*] Identification events authorization and behavior of the APS 400 network modules are provided by the system controller. Specific parameters can be found at *www.techfass.cz*.

Accessories

MAG	51900200	Magnet for wall tamper contact
WIO 22	51901200	Remote relay module (2 relay NO/NC)

MAG

WIO 22
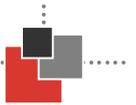
Versions & Compatibility

Reader version	Code	TF	EM	HID	Events archive	ACS SW	Extensions
MREM 58 SferON-TF	53458600	●	–	●	●	●	licensed
MREM 58 SferON-EM	53458601	●	●	●	●	●	licensed
NREM 58 SferON-TF	54458600	●	–	●	*)	*)	*)
NREM 58 SferON-EM	54458601	●	●	●	*)	*)	*)

*) Selected features are determined by the APS 400 system controller.

Application

Reader modules in SFERA New entry panels

TECHFASS® product lines

- The *APS mini Plus* access control system is a generally applicable system, which is capable of covering all typical access control and time and attendance solutions. The system is suitable for both smaller standard access control systems, and for large and remote systems using an online server.

- The *APS 400* system controllers can control up to 64 reader modules; manage up to 15,000 users and store up to 57,000 records in their events memory when operating in offline mode. A unique feature of the system is the ability to set the behavior of all connected modules by a *user-defined program*.

APS mini +

Function:	*configurable*
ID memory:	*2,000*
Online authorization:	*$>10^7$*
Offline events:	*3,400*
Time schedules:	*64*
Addresses / comm. line:	*32*
Lines per system:	*unlimited*
Management:	
	master cards or PC
Software for free:	
	CFG, management
Software extensions:	

Licensed: basic T&A evaluation, visualization, overviews, guard tour monitoring, etc.

APS 400

Function:	*programmable*
ID memory:	*up to 15,000*
Online authorization:	*$>10^7$*
Offline events:	*up to 57,000*
Access groups:	*128*
Time schedules:	*64*
Addresses / controller:	*64*
Controllers per server:	*>32*
Management:	
	PC
Software for free:	
	programming & CFG, management (up to 10 IDs)
Software extensions:	

Licensed: management of over 10 IDs in the system, basic T&A evaluation, visualization, overviews, guard tour monitoring, etc.