



EVPÜ[®]

NOTIFIED BODY No. 1293

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1293 – CPR – 0632 Rev.1

In compliance with *Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011* (the Construction products Regulation or CPR), this certificate applies to the construction product

Intelligent analogue addressable fire alarm module with 2 inputs and 2 monitored outputs with built-in isolator module
SensolRIS MIO22M, Belinda MIO22M, Erida MIO22M, Marl MIO22M,
Smoke sense MIO22M, Expera MIOi, SensolRIS MIO22M IP55,
SensolRIS MIO22M IP65, MAGPRO-2i20iM M

For specifications see Annex No. 1 and No. 2 to this certificate

placed on the market under the name or trade mark of

Teletek Electronics JSC
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

and produced in the manufacturing plant

Teletek Electronics JSC
2, Iliyansko Shose Str., NPZ Voenna Rampa, 1220 Sofia, Bulgaria

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-18:2005, EN 54-18:2005/AC:2007,
EN 54-17:2005, EN 54-17:2005/AC:2007

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on November 6th, 2023 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Nová Dubnica, November 6th, 2023

054845



Michal Mišiak

Annex No. 1 to Certificate No. 1293 - CPR – 0632 Rev.1 from November 6th, 2023

Technical Specifications

SensolRIS MIO22M (and derived variants) is an addressable input-output module. The module monitors 2 analogue input signals and controls 2 relay outputs. The outputs can be set a monitored or non-monitored via jumpers on the module's PCB. The active state of the monitored outputs can be programmed for operation in Normal or Inverted Mode via the panel programming menus.

The module is powered on from the fire panel and can be controlled via the communication protocol. When an output is set as monitored, it must be powered on from an external power supply unit.

The module has a built-in isolator module which when used allows continuous operation of the loop in case of module's failure and without need of using additional isolator modules.

Technical characteristics

Operating voltage	16 + 32VDC
Outputs, electrical characteristics (max)	DC 30V/2A; AC 125V/0.5A
Consumption - two non-monitored outputs:	
- Nom. current consumption	< 0.87mA@27VDC
- Current consumption with 1 LED on	3.9mA
- Current consumption with 2 LEDs on	7.2mA
Consumption - two monitored outputs:	
- Nom. current consumption	< 1.03mA@27VDC
- Current consumption with 1 LED on	4.15mA
- Current consumption with 2 LEDs on	7.2mA
Degree of protection:	IP40
(SensolRIS MIO22M IP55, MAGPRO-2i20iM M)	IP55
(SensolRIS MIO22M IP65)	IP65
Operation temperature	-10°C + +60°C
Relative humidity	(93±3)% @ +40°C
Dimensions	142x80x45mm
(SensolRIS MIO22M IP55, MAGPRO-2i20iM M)	176x126x57mm
Weight	~180g
(SensolRIS MIO22M IP55, MAGPRO-2i20iM M)	~350g
Material (plastic), colour	ABS, grey
(SensolRIS MIO22M IP55, MAGPRO-2i20iM M)	PS, grey
(SensolRIS MIO22M IP65)	ABS, RAL 9016 - box PC, black - cover

Isolator module Technical characteristics

<i>V_{max}</i>	Maximum line voltage	32V
<i>V_{nom}</i>	Nominal line voltage	28V
<i>V_{min}</i>	Minimum line voltage	16V
<i>V_{so max}</i>	Maximum voltage at which the device isolates	7.5V
<i>V_{so min}</i>	Minimum voltage at which the device isolates	5.9V
<i>V_{sc max}</i>	Maximum voltage at which the device reconnects	6.7V
<i>V_{sc min}</i>	Minimum voltage at which the device reconnects	5V
<i>I_{c max}</i>	Maximum rated continuous current with the switch closed	0.7A
<i>I_{s max}</i>	Maximum rated switching current (e.g. under short circuit)	1.8A
<i>I_{l max}</i>	Maximum leakage current with the switch open (isolated state)	16mA
<i>Z_{c max}</i>	Maximum series impedance with the switch closed	0.12Ω@28VDC; 0.15Ω@16VDC



Nová Dubnica, November 6th, 2023

Michal Mišiak

Annex No. 2 to Certificate No. 1293 - CPR – 0632 Rev.1 from November 6th, 2023

Essential characteristics	Harmonised technical specification		Performance
	EN 54-18:2005 EN 54-18:2005/ AC:2007	EN 54-17:2005 EN 54-17:2005/ AC:2007	
Response delay (response time)	cl. 5.2	---	Pass
Performance under fire conditions	cl. 5.1.4	cl. 5.2	Pass
Operational reliability	cl. 5.1.4	cl. 4	Pass
Durability of operational reliability: temperature resistance	cl. 5.3, 5.4	cl. 5.4, 5.5	Pass
Durability of operational reliability: vibration resistance	cl. 5.8 to 5.11	cl. 5.9 to 5.12	Pass
Durability of operational reliability: humidity resistance	cl. 5.5, 5.6	cl. 5.6, 5.7	Pass
Durability of operational reliability: corrosion resistance	cl. 5.7	cl. 5.8	Pass
Durability of operational reliability: electrical stability	cl. 5.2, 5.12	cl. 5.3, 5.13	Pass

History of certification

No.	Certificate No.	Description	Date of issue
1	1293-CPR-0632	Original certificate issued	January 15 th , 2023
2	1293-CPR-0632 Rev.1	New location of the company and adding new variant with IP65 protection	November 6 th , 2023



Nová Dubnica, November 6th, 2023
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Michal Mišiak

