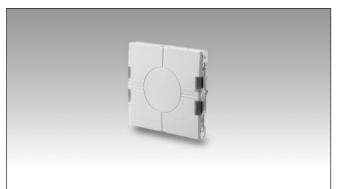
smart-house Eunica line, Multiple Sensor **Type SHE5XLS4TH**

CARLO GAVAZZI



- · Light switch for building automation with integrated sensors for temperature and humidity
- Developed to fit into wall socket and frames from Elko, Gira and Jung
- 4 individually programmable pushbutton inputs
- Supplied by bus, no external supply required
- Delivered with 2 white and 1 black pushbutton covers •
- White LEDs: programmable guide light function
- Blue LEDs: programmable function status •
- Temperature range: -40 to +60°C Humidity range 5 to 95 %

Product Description

The SHE5XLS4TH is a light switch with 4 buttons and 4 LED outputs which integrates a temperature and a humidity sensor just in one item. It is developed to be mounted into the 55 x 55 wall socket and frame from Elko, Gira and Jung.

This light-switch with its integrated sensors is part of the smart-house concept for building automation applica-

tions. The push buttons can be used to activate/deactivate any function, while the inputs provided by the two sensors can be used to control temperature, fans or whatever other function where a temperature or humidity value is needed. The SHE5XLS4TH is fully programmable via the SH tool.

Ordering Key	SHE 5 X LS 4 T H
smart-house Housing 55 x 55 mm Standard	
Light switch Switch number Temperature Humidity	

Type Selection

Housing	Colour	LEDs	Supply by bus
55 x 55 mm	White/Black*	4 white / 4 blue	SHE5XLS4TH

*Delivered with white and black pushbutton covers

Input Specifications

Temperature Sensor range Accuracy	-40° to + 60°C° (-40° to 140°F) -40° to -20°C (-40° to -4°F), 1°C -20° to +60°C (-4° to 140°F), 0.5°C
Humidity Sensor range Accuracy	5 to 95% RH ± 3%
Keypad	4 push buttons

Dupline® Specifications

Voltage	8.2 V
Maximum Dupline [®] voltage	10 V
Minimum Dupline [®] voltage	5.5 V
Maximum Dupline [®] current	3 mA

Output Specifications

LED

4 white / 4 blue

Supply Specifications

Power supply

Supplied by bus

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General Specifications

Address assignments	Automatic	Weight	50 g
	The controller recognises the module through the SIN (Specific Identification	Approvals	cULus, according to UL60950 UL notes: Max room temperature: 40°C
	Number) that has to be inserted in the configuration	CE Marking	Yes
	tool	EMC	EN 61000-6-2
Environment Degree of protection Pollution degree Operating temperature Storage temperature Humidity (non-condensing)	IP 20 3 (IEC 60664) -40° to +60°C (-40° to 140°F) -40° to +70°C (-40° to 158°F) 5 to 95% RH	Immunity - Electrostatic discharge - Radiated radiofrequency - Burst immunity - Surge - Conducted radio frequency - Power frequency magnetic	EN 61000-8-2 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6
Connection Screwless detachable D+ D-	0.2 to 1.5 mm ² Signal GND	 Fower nequency magnetic fields Voltage dips, variations, interruptions Emission 	EN 61000-4-8 EN 61000-4-11 EN 61000-6-3
Housing Back part dimensions Back part + front dimensions Back part material Push button covers Accessories	55 x 55 x 24 mm 55 x 55 x 28.5 mm Plastic, transparent Plastic white (RAL 9010) Plastic clear white (RAL 9016) Plastic black Plastic frame	 Conducted and radiated emissions Conducted emissions Radiated emissions 	CISPR 22 (EN55022), cl. B CISPR 16-2-1 (EN55016-2-1) CISPR 16-2-3 (EN55016-2-3)

Mode of Operation

The SHE5XLS4TH is fully programmable via the SH Tool. Each push-button, the tem- perature sensor and the humidity sensor can be indi- vidually associated to one or more of the functions sup- ported by the smart-house system.	Addressing No addressing is needed since the module is provided with a specific identification number (SIN): the user has only to insert the SIN number in the SH tool when creating the sys- tem configuration. Used channels: 4 input channels, 4 output channels.	 LED programming Also the LEDs are configurable via SH Tool: White LEDs. The 4 white LEDs can be programmed as guide light. Blue LEDs: The 4 blue LEDs can be individually programmed as function status indication. If the dupline bus is faulty or missing, the LED will be OFF. 	Wall Socket and frame compatible with the Eunica line The Eunica 55 x 55 light switch can fit into the frame and wall socket listed below: for any other model not included here below, Carlo Gavazzi does not grant any compatibility. • ELKO • GIRA • JUNG.
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