

# QONTINUUM

Electronic Engineering and applied Computing

## Reading-writing Module for 'DESFire' RFID tags ("fS=4" structure)

DEF-1095 | DEF-1095/S

### Product:

Reading-writing Module for 'DESFire' RFID tags when they contain a high performance "fS=4" structure.

It is generic for all surface mount even in direct contact with a ferrous metal surface.

It is specific to be assembled in turnstiles, pedestals, etc., always located under or behind a surface that should not be ferrous metal (methacrylate can be a good solution).

It has IP54 protection.

### Physical dimensions and environmental conditions:

Width = 43 mm.

High = 78 mm.

Depth = 16 mm.

Weight = 90 gr.

Temperature : between -10 and +60 C°.

Relative humidity : between 0 and 80% noncondensing.



### Connection:

- The model **DEF-1095** has an eight-wire hose (only four-wire are used for power and data) to interface with a CPU model **DEF-909**, **DEF-944** or **DEF-902** or to a "H" Module model **DEF-101** or **DEF-102**.

- The model **DEF-1095/S** has a four-wire hose wich ends with a proper female connector to be plugged to a Module "in Kit" model **DEF-KC073/S**.

- These reading-writing Modules may be separated until 100 meters from the CPU or from the Module "in Kit".

### Remarks:

- Indications to the users by a tricolor LED (Red, Green and Orange) and buzzer.

- The effective range between the reading-writing Module and the RFID tag used depends largely on the characteristics of the antenna embedded in the tag and on the physical installation of the Module, being the theoretical normal values as indicated below:

<u>type of RFID tag</u>	<u>range</u>
card shaped	2 cm.
key fob shaped	1 cm.

Due to continued efforts to improve our products, this technical specifications may vary without notice.

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