

QONTINUUM

Electronic Engineering and applied Computing

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

DEF-1096 | DEF-1096/S

Product:

Reading-writing Module for 'DESFire' RFID tags when they contain a high performance "fS=4" structure. It is specifically designed to be embedded in a surface (wood, brick, etc.), although it can be mounted in direct contact on any surface. It has IP54 protection.



Physical dimensions and environmental conditions:

Width = 42 mm / 47 mm.
High = 78 mm / 83 mm.
Depth = 13 mm / 16 mm.
Weight = 90 gr.
Temperature : between -20 and +60 C°.
Relative humidity : between 0 and 80% noncondensing.

Connection:

- The model **DEF-1096** 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-1096/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	3 cm.
key fob shaped	2 cm.

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

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