

THE METERS READING: MECELEC SOLUTION

MECELEC Industries is member since 1995 of EURIDIS users association and is involved in the definition and the development of Automatic Metering Systems and remote reading of meters' data.

Partner of EDF and GDF, MECELEC has contributed to the equipment and the modernization of the French network by providing cabinets, connection cases, connectors and data collectors.

This international standardized solution (IEC 62056-31) represents an upgradable and open system offering at high level of reliability and efficiency, a pragmatic and proven solution for utilities to cope with household utility meters inaccessibility..

MECELEC proposes to you:
(choose one of the titles below)

- **Connection cases and building bases**
- **Bus Connections**
- **A wide range of equipped cabinets**
- **Data collectors**

MECELEC
4, Avenue Victor HUGO
92411 COURBEVOIE CEDEX
Tel. (33) 1 41 16 88 55
Fax.(33) 1 41 16 88 65
WWW.MECELEC.FR
email : info@mecelec.fr

Connections cases and Building bases HN 44-S-27

- **USE**

These products are designed to be connected on the metering bus (CEI 62056-31 standard) from the public way. They are installed outdoor for buildings (Bases) or in cabinets (Cases).

- Standards: These products are fully compliant with EDF HN 44 S 27 standard

They are recyclable.

- **DESCRIPTION**

- Mechanical construction: Only one type of material is used for each part, easily repairable, they are not compounded to enable end-life recycling.

- Fixing :

- Bases: with 2 screws \varnothing 4 or by leaf.
- Cases: with 3 screws \varnothing 5.5 added.

- **REFERENCES**

Several references; please contact us.



1• Cases

2• Bases

Bus connections HN 44-S-28

- **USE**

These products are designed to provide connections on bus (CEI 62056-31 standard) by shunt connection or direct connection.

They are mounted inside buildings, in technical rooms, or outdoor in cabinets.

- **DESCRIPTION**

- Four different models exist:

- 4 or 8 ways derivation device.
- 4 or 8 ways derivation box with a polycarbonate cover, the protection level is IP 34D according to NF EN 60529 standard.
- Closing: boxes and covers are closed by clip and sealing facilities.
- Fixing: By 4 points for all devices.
- Connecting: - For each direction, 2 wires \varnothing 0.6 and one \varnothing 0.5
- For each device, 1 ground connection 1.5 to 4 mm"
- One test connection.

- **REFERENCES**

Several references; please contact us.



CABINETS FOR REMOTE READING HN 62-S-222

- These cabinets are designed for customers who have an electronic meter equipped with a CEI 62056-31 bus output. Information exchanges are performed from the public way by the mean of a connection case HN 44-S-27. The reading is made by a hand held computer. Theses cabinets accept single-phase power supply alimentation until 90 A (18KVA) and three phases until 60 A (36 KVA).

Closing:

Opening door, 180°, easily removable.
Closed by a triangular lock with sealing and padlocking facilities.

Standard:

Fully compliant with the EDF HN 62-S-22

Description:

Outdoor cabinet made of fibreglass reinforced polyester. IP43 protection level (following NF EN 60 529) and IK 10 (following NF 50 102).

- 1• High cabinet
- 2• Simple limit box
- 3• Simple cabinet
- 4• Limit cabinet



DATA COLLECTORS

- The **MECELEC Data Collector** allows the connection of any type of meter equipped with a transmitter of impulses. They carry out conversion towards the local bus following international standard IEC 62056-31 (EURIDIS) Used by GDF for gas meters these data collectors can be used with heat meters, water meters and electric meters without bus extension capabilities.

The MECELEC data collector for gas meters is compliant to the technical specification EDF GDF HN 44-S-80 and has the market authorisation number 990/38CLF.

Several versions are available:

- One input for one gas meter (one customer)
- Three inputs for one to three gas meters (one to three customers)
- For other types of meters, please contact us.

The data collectors can be delivered mounted on panels with short breaker 2 A and connecting device for bus..

- **DESCRIPTION**

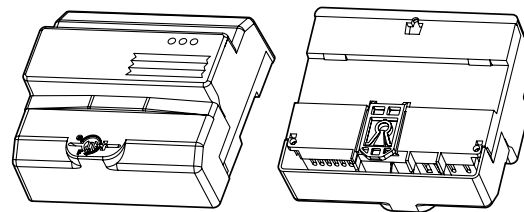
- IP 51 (NF EN 60 529) and IK01 (NF EN 50 102) protection levels
- Fixation on DIN rail or by 3 screws
- Power supplied by 230 Volts, 50 Hz.
- Protected again over voltages and wrong cabling.
- Can run without power supply more than 12 hours.

Building

- Light conception, colours for input selection.
- Electronic design includes two processors; very low power consumption;

high accuracy and liability for metering.

- Plastic case without halogen (no toxic smoke emission in case of fire)
- Easily recyclable without metallic parts separation.
- Cover closing by lock 3/4 of turn with tactile indication



L = 140 mm
H = 129 mm
Ep = 64,5 mm
M = 0,5 kg

