



# ISOM T-15

Connection adaptor to ISOM Digiware F-60 modules  
for locating core balance transformers

Insulation monitoring



tore\_1102\_front.psd

**ISOM T-15**  
mounted on a  $\Delta$ IP  $\varnothing$  50 core balance transformer

## Function

The **ISOM T-15** adaptor acts as the interface between the locating core balance transformer and the ISOM Digiware F-60 module for insulation fault location purposes.

$\Delta$ IP locating core balance transformers equipped with ISOM T-15 adaptors can be combined with current sensors (TE, TR, TF) on the same ISOM Digiware F-60 module.

The adaptor comes in a tropicalised version (ISOM T-15t) for extreme environments.

## Advantages

### Self-powered

The ISOM T-15 is powered by the ISOM Digiware F-60 module, via the RJ12 link.

### Alarm LED

With the integrated alarm LED on the ISOM T-15, you can quickly locate the fault inside the cabinet.

### Plug & Play

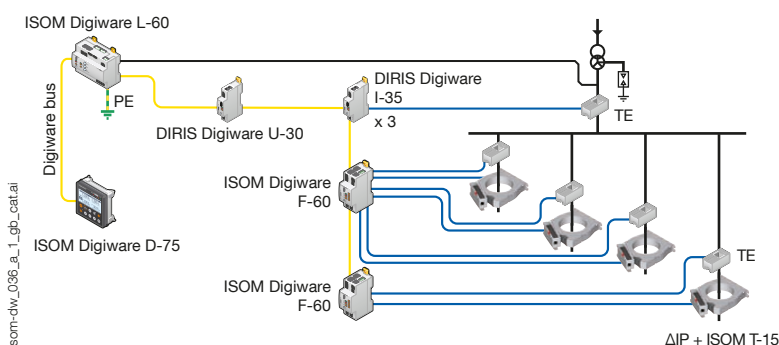
The direct mechanical and electrical connections to the  $\Delta$ IP core balance transformer and the RJ12 link to the ISOM Digiware F-60 simplifies the integration of the Digiware system.

### Compatible with all core balance transformers

- Existing  $\Delta$ IP range  
The mechanical design of the ISOM T-15 allows it to be mounted directly onto the  $\Delta$ IP core balance transformers (diameter 30 mm and above), without any cabling or tools. Existing installations equipped with  $\Delta$ IP core balance transformers can be upgraded to an ISOM Digiware system.
- Other core balance transformers  
The ISOM T-15 module can also be connected to third-party locating core balance transformers and mounted on a DIN rail. It acts as the interface between the core balance transformer and the ISOM Digiware F-60 locating module.

## Applications

Associated with the ISOM Digiware F-60 locating module, the ISOM T-15 adaptor locates the insulation fault. It physically detects the cable responsible for the fault.



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## The solution for

- > Industries
- > Energy production
- > Naval, military and railway infrastructures
- > Healthcare facilities



## Strong points

- > Self-powered
- > Alarm LED
- > Plug & Play
- > Compatible with all core balance transformers

## Conformity to standards

- > CEI 61557-9
- > ISO 14025



## Conformity to standards

- > Naval certifications <sup>(1)</sup>

<sup>(1)</sup> Certification in progress

## Create your project

- > Find the best Digiware configuration:  
[www.meter-selector.com](http://www.meter-selector.com)

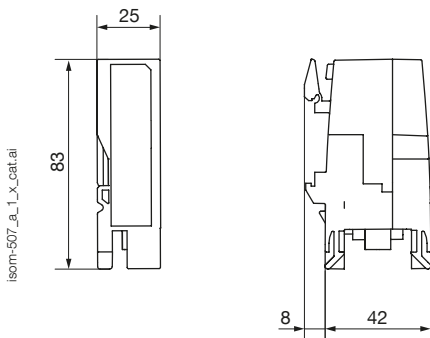


### Front panel



1. Clip to mechanically and electrically connect to the  $\Delta$ IP core balance transformer.
2. Alarm LED. Lights if there is fault on the circuit or flashes if there is a connection problem with the core balance transformer.
3. Connection base to the  $\Delta$ IP core balance transformer (supplied with 2-pin removable terminal block for remote connection).
4. DIN rail mounting clip.
5. RJ12 connection to ISOM Digiware F-60.

### Dimensions (mm)



### Terminals and connections

#### Connection



**RJ12:** Connection to ISOM Digiware F-60



**L - K:** 2-pin connection to the locating core balance transformer

### Characteristics

|                                                |                                              |
|------------------------------------------------|----------------------------------------------|
| <b>Network voltage <math>U_n</math></b>        |                                              |
| AC operating range                             | Refer to ISOM Digiware F-60                  |
| <b>Auxiliary power supply <math>U_s</math></b> |                                              |
| Power supply voltage                           | Self-powered                                 |
| Power consumption                              | 0.05 W                                       |
| <b>Scanning channels</b>                       |                                              |
| Number of channels per device                  | 1                                            |
| Locating current threshold                     | Adjustable 0.2 ... 25 mA                     |
| Insulation threshold                           | Adjustable 0.5 k $\Omega$ ... 400 k $\Omega$ |
| <b>Connection</b>                              |                                              |
| Number of core balance transformers            | 1                                            |
| Connection type                                | Specific Socomec cable with RJ12 connectors  |

|                                         |                |
|-----------------------------------------|----------------|
| <b>Operating conditions</b>             |                |
| Operating temperature range             | -10 ... +55 °C |
| Storage temperature                     | -40 ... +70 °C |
| Relative humidity                       | 90% at 55 °C   |
| <b>Operating conditions (version t)</b> |                |
| Operating temperature range             | -10 ... +70 °C |
| Storage temperature                     | -40 ... +85 °C |
| Relative humidity                       | 97% at 55 °C   |
| Operating mode                          | Standby / On   |
| Preset operating mode                   | Standby        |

### References

|                                                       |  |                  |
|-------------------------------------------------------|--|------------------|
| <b>Standard adaptor version</b>                       |  | <b>Reference</b> |
| T-15                                                  |  | 4729 0590        |
| <b>Tropicalised adaptor version</b>                   |  | <b>Reference</b> |
| T-15t                                                 |  | 4729 0591        |
| <b>Accessories</b>                                    |  | <b>Reference</b> |
| Specific RJ12 cables to connect to ISOM Digiware F-60 |  |                  |