





# COMPONENT CERTIFICATE

## Schedule

Certificate ITS No. Ex 01E2021U

Dated: 30 November 2001

### COMPONENT

BA491 Battery Unit is designed to provide an intrinsically safe output voltage of 3.7 V dc maximum.

The BA491 comprises a battery board containing two lithium batteries, two current limiting resistors, two diodes and a 2 way connector.

The lithium batteries are Sonnenschein Type SL360PT. When installed in an apparatus, the BA491 may be assigned a Temperature Class T5 referred to an ambient temperature of 50°C.

Intrinsic safety is assured by limitation of voltage, current limitation and infallible segregation.

The output parameters of the BA491 Battery Unit are:

$U_o = 3.7 \text{ V dc}$   
 $I_o = 200 \text{ mA dc}$   
 $P_o = 0.2 \text{ W}$

### DRAWINGS

Number	Issue	Date	Description
CI491-01, sheets 1 to 6	1	Sept 01	BA491 Certification Information

### SCHEDULE OF LIMITATION

1. The component must be housed in an enclosure which provides a Degree of Protection of at least IP20.
2. The arrangements for connection of external circuits must comply with the requirements of Clause 6.3 of EN 50020: 1994.

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