

CERTIFICATE



ECM 17 ATEX 105 U

EX CODE

Ex db IIC Gb T5

DIRECTIVE

2014/34/EU

STANDARD

EN 60079-0/A11:2013, EN 60079-1:2014, EN 60529/A2:2013

INSTALLATION

zone 1 – 2

### CONSTRUCTION

Rectangle enclosure: Metallic body

Circle enclosure: Metallic body

### FEATURES

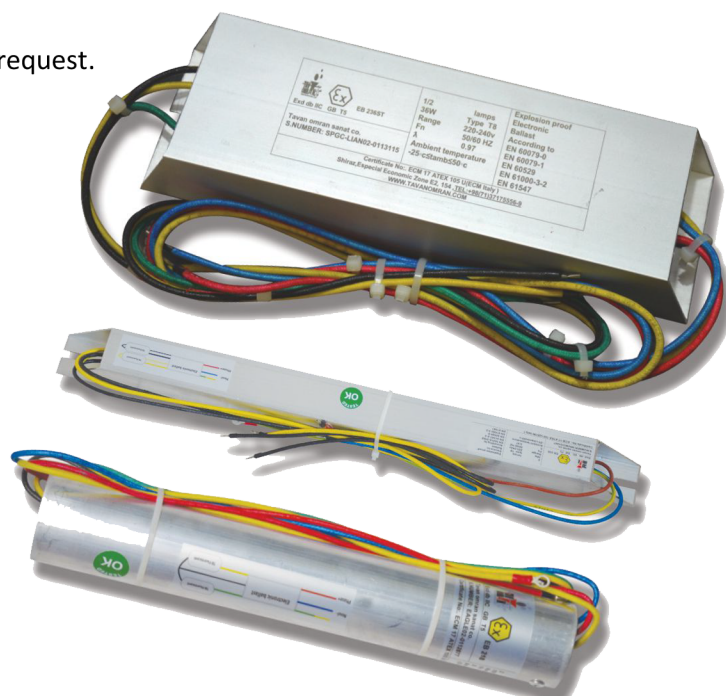
This product is electronic ballast for explosion proof applications.

It has been certified for use in hazardous area due to the presence

Of flammable and explosive gases.

### SUITABLE FOR

CORTEM,STAHL,CEAG,SCHUCH,BAREL and other fixture on request.



Rated voltage	220-240V+- 10%
Ambient temperature	-25 °C ≤ Tamb ≤ +70 °C
Frequency	50-60 HZ
Lamp Types	Fluorescent lamps T8 1/2 X 18/36/58W,in parallel configuration
Ip	65
Power Factor	~ 0.95
Estimated terminal	1-2.5mm

## Electronic ballast information , 18-36

### T8 , T12 fluorescent lamps

#### Product description

- Average life = 50,000 hours (at max ta. With a failure rate  $\leq 0.2$  % per 1,000 hours)
- Large temperature range (for value see table)
- Safety shutdown at end of life
- Automatic start after replacement of defective lamps
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class 1 and protection class 2
- Temperature protection as per EN 61347 - 2 – 3 C5e



#### Technical data

- AC voltage range 198 – 264 V
- DC voltage range Not supported
- Overvoltage protection 320 V AC,1h
- Defined warm start  $\leq 1.5$  s
- Operating frequency  $\geq 39$  kHz
- 2 channel or 1 channel on request

#### Specific technical data

Lamp	Lamp	EEl	Current at 50 Hz		$\lambda$ at 50 HZ	
Wattage	type		220 V	240 V	220 V	240 V

#### For luminaires with 1 lamp

1 x 18 W	T8	A2	0.860 A	0.770 A	0.98	0.96
1 x 36 W	T8	A2	0.165 A	0.148 A	0.99	0.97

#### For luminaires with 2 lamps

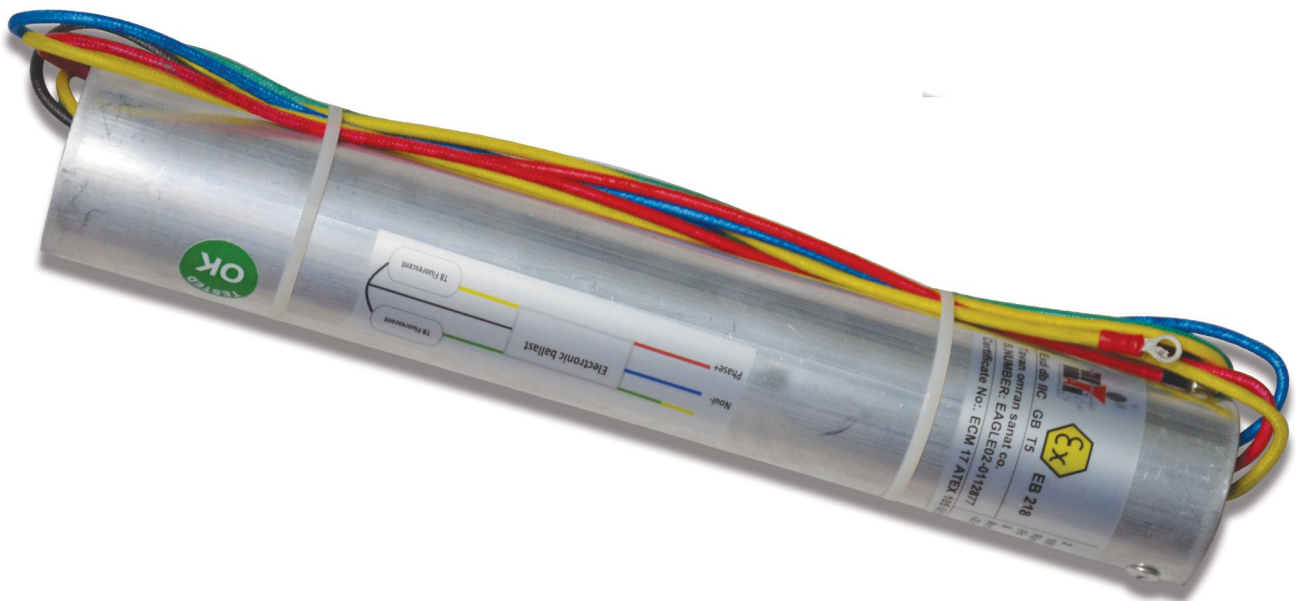
2 x 18 W	T8	A2	0.174 A	0.156 A	0.99	0.97
2 x 36 W	T8	A2	0.330 A	0.303 A	0.99	0.98

# Ex Electronic Ballast

Ex Electronic Ballast  
SUITABLE FOR CORTEM

R: Rectangle

Type	lamp type	Dimension
EB 118 CO	1x18	300(L)x500φ
EB 136 CO	1x36	300(L)x500φ
EB 218 CO	2x18	300(L)x500φ
EB 236 CO	2x36	300(L)x500φ

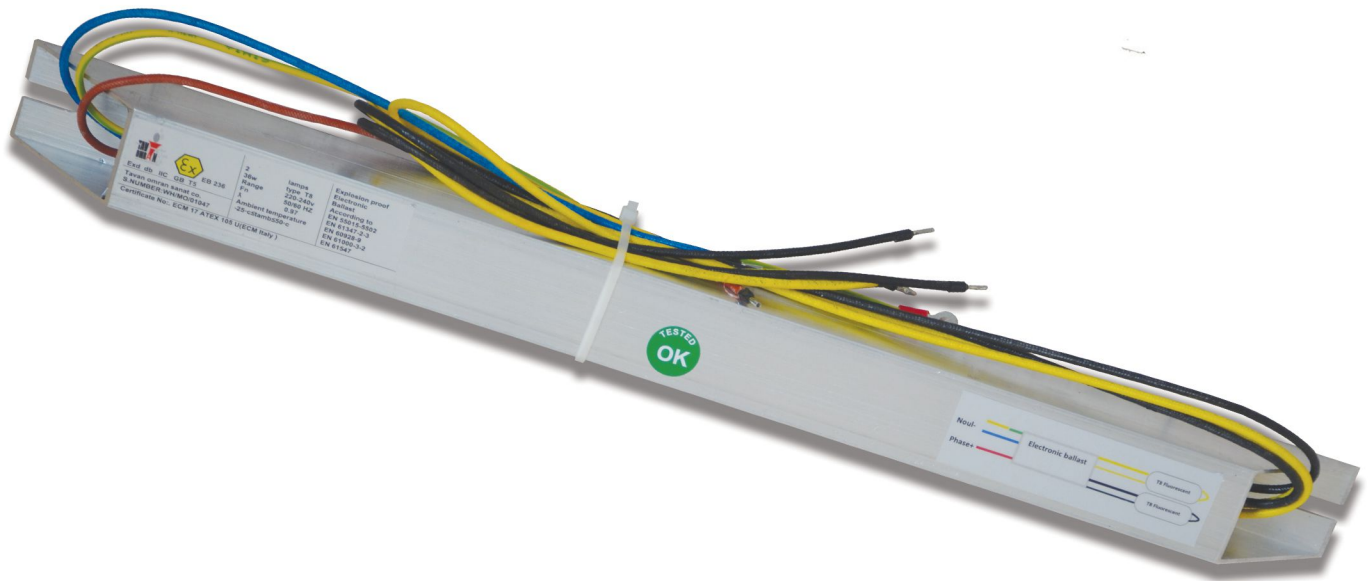


# Ex Electronic Ballast

Ex Electronic Ballast  
SUITABLE FOR SCHUCH

R: Rectangle

Type	lamp type	Dimension
EB 118 SCH	1x18 T8	520x40x40 mm
EB 136 SCH	1x36 T8	520x40x40 mm
EB 218 SCH	2x18 T8	520x40x40 mm
EB 236 SCH	2x36 T8	520x40x40 mm





# Ex Electronic Ballast

Ex Electronic Ballast  
SUITABLE FOR STAHL(2 CHANEL)

R: Rectangle

Type	lamp type	Dimension
EB 118 ST	1x18 T8	257x80x40mm
EB 136 ST	1x36 T8	257x80x40mm
EB 218 ST	2x18 T8	257x80x40mm
EB 236 ST	2x36 T8	257x80x40mm

