

TAVAN OMRAN SANAT Co.,Ltd

Ex Electronic Ballast



zone 1 - 2

Ex Electronic Ballast For T8 , T12 Fluorescent lamps

<u>CERTIFICATE</u>	<u>2195 25 ATEX 023 U</u>
<u>EX CODE</u>	<u>II 2G Ex db IIC Gb</u>
<u>DIRECTIVE</u>	<u>2014/34/EU</u>
<u>STANDARD</u>	<u>EN IEC 60079 - 0:2018 , EN 60079 - 1:2014</u>
<u>INSTALLATION</u>	<u>zone 1 - 2</u>

DESCRIPTION OF EQUIPMENT AND / OR PROTECTIVE SYSTEM

The electronic ballast types EB series are made of aluminum alloy or stainless steel with two ends sealed with epoxy resin for wire entry have a type of protection flameproof "Ex d".

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 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



perex **Ex**

Electronic ballast information , 18-36

T8 , fluorescent lamps

Product description

- Average life = 50,000 hours (at max ta. With a failure rate ≤ 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 ≤ 1.5 s
- Operating frequency ≥ 39 kHz

Specific technical data

Lamp	Lamp	EEL	Current at 50 Hz		λ at 50 HZ	
Wattage	type		220 V	240 V	220 V	240 V
<i>For luminaires with 1 lamp</i>						
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
<i>For luminaires with 2 lamps</i>						
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



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SUITABLE FOR CORTEM

Type	Lamp	Type	Dimension _{mm}
EB 118 CO	1x18	T8	300(L)x50ø
EB 136 CO	1x36	T8	300(L)x50ø
EB 218 CO	2x18	T8	300(L)x50ø
EB 236 CO	2x36	T8	300(L)x50ø

SUITABLE FOR BAREL

Type	Lamp	Type	Dimension _{mm}
EB 118 BL	1x18	T8	256x40x40
EB 136 BL	1x36	T8	256x40x40
EB 218 BL	2x18	T8	256x40x40
EB 236 BL	2x36	T8	256x40x40

SUITABLE FOR STAHL (2 CHANEL)

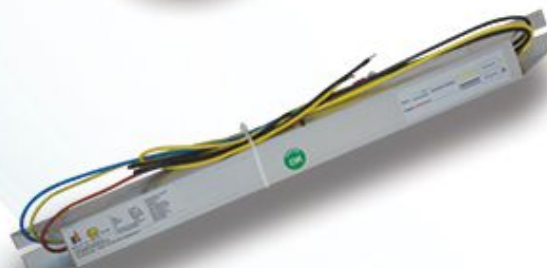
Type	Lamp	Type	Dimension _{mm}
EB 118 ST	1x18	T8	257x80x40
EB 136 ST	1x36	T8	257x80x40
EB 218 ST	2x18	T8	257x80x40
EB 236 ST	2x36	T8	257x80x40

SUITABLE FOR SCHUCH

Type	Lamp	Type	Dimension _{mm}
EB 118 SCH	1x18	T8	520x40x40
EB 136 SCH	1x36	T8	520x40x40
EB 218 SCH	2x18	T8	520x40x40
EB 236 SCH	2x36	T8	520x40x40

SUITABLE FOR A.T.X (2 CHANEL)

Type	Lamp	Type	Dimension _{mm}
EB 118 A.T.X	1x18	T8	415(L)x45ø
EB 136 A.T.X	1x36	T8	415(L)x45ø
EB 218 A.T.X	2x18	T8	415(L)x45ø
EB 236 A.T.X	2x36	T8	415(L)x45ø



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