

## SAFETY INSTRUCTIONS

Manufacturer Hadler GmbH  
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Germany

Product	Electronic Control Gear (ECG) for LED	
Order codes	3 P 218 08 0	3 P 218 08 1
	3 P 236 08 0	3 P 236 08 1
	3 P 258 08 0	3 P 258 08 1

Please carefully read these instructions prior to installation and keep them for later reference.

This ballast is intended for operation of one or two T8 fluorescent lamps in explosion protected luminaires  
Do not use this product for other than intended use.



Hadler GmbH declares that this control gear is in conformity with the EU explosion protection directive.  
The complete manufacturer's declaration according to directive 94/9 EG (ATEX) is available at [www.hadler-gmbh.de](http://www.hadler-gmbh.de).

Compliance with requirements of EN 60079-0:2009 and EN 60079-15:2010 is laid down in certificate number

**TÜV 12 ATEX 105421 U**

Compliance with requirements of IEC 60079-0:2011 and IEC 60079-15:2010 is laid down in certificate number

**IECEx TUN 14.0023 U**

The sign "U" placed after the certificate number indicates, that the corresponding certificate is not equivalent to a Statement of Conformity for an equipment or protective system. It is intended to be used as a basis for certifying an equipment or protective system.

Certificates and detailed product datasheets are available at [www.hadler-gmbh.de](http://www.hadler-gmbh.de).

This document is attached once per delivery. When splitting the delivery lot, this document has to be duplicated and added to each batch for later reference.

## Operation conditions

Type	Number of lamps	Lamp type	Perm. ambient temperature range	Perm. housing Temperature at tc
3 P 218 08 0 / 08 1	1 or 2	18 W	-25°C to +75°C	80°C
3 P 236 08 0 / 08 1	1 or 2	36 W	-25°C to +70°C	75°C
3 P 258 08 0 / 08 1	1 or 2	58 W	-25°C to +65°C	70°C

Nominal voltage	220 V to 240 V
Nominal frequency	0 / 50 - 60 Hz
Voltage range	198 to 264 V AC 176 to 264 V DC
Breaking capability of built-in mains	1500 A a.c. at $\cos \phi \geq 0.76$ 1500 A d.c. at $L/R \geq 2 \text{ ms}$

## Installation precautions

These ballasts may be installed into housings of explosion protected luminaires with a minimum type of protection of the housing of IP54 according to IEC 60529

Dismantled length of wires has to be between 8.5 and 9.5 mm. At use of multistrand wires, conductor sleeves have to be used. Permissible cross section of wires is from 0.5 up to 1.5 mm<sup>2</sup>.

Maximum temperature rise at internal components is 47K.

Devices contain no field-serviceable parts. In case of malfunction, contact the manufacturer.

Hadler GmbH

Date 09.10.2015



Signature i. A. Karl-Heinz Birkenbeil