



1 **Type Examination Certificate**

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

3 Type Examination Certificate Number: **KIWA 15ATEX0036 X Issue: 2**

4 Product: **Solenoid Drivers Model HiC2873(Y1) and Model 2877**

5 Manufacturer: **Pepperl+Fuchs GmbH**

6 Address: **Lilienthalstraße 200, 68307 Mannheim
Germany**

- 7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Kiwa Nederland B.V. certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.
The examination and test results are recorded in confidential ATEX Assessment Report No. 150800118.
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0 : 2012 + A11 : 2013 EN 60079-7 : 2015 + A1 : 2018
- 10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- 11 This Type Examination Certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.
- 12 The marking of the product shall include the following:



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Pietel van Breugel
Certification Officer

Issue date:

5 December 2018

First issue:

16 October 2015

This certificate shall, as far as applicable, be revised before the date of cessation of presumption of conformity of (one of) the included standards above as communicated in the Official Journal of the European Union.

• Integral publication of this certificate in its entirety and without any change is allowed.

13 SCHEDULE

14 Type Examination Certificate KIWA 15ATEX0036 X

Issue No. 2

15.1 Description of Product

Solenoid Drivers Model HiC2873(Y1) and Model HiC2877 are isolated barriers for the supply of intrinsically safe devices as solenoids, LEDs, audible alarms, located in an explosive atmosphere.

The modules mount into a HiC Termination Board.

Ambient temperature range -20 °C to +60 °C.

15.2 Electrical Data

Supply: 20,4 ... 30 V (via Termination Board, or via loop powered input (except Model HiC2873Y1)),
rated current maximum 62 mA (at 24 Vdc),
power maximum 1 W.

Control input: external switch (dry contact or open collector), logic signal.

15.3 Instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

16 ATEX Assessment Report Number

No. 150800118.

17 Specific Conditions of Use

- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with EN 60079-0.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at section 9.

19 Drawings and Documents

As listed in ATEX Assessment Report No. 150800118.

20 Description of Certificate Changes (for Issue 2 and above)

Issue 2, Kiwa reference no. 180500348:

- Changed type of protection from "nA" to "ec".

