

# CERTIFICATE

## (1) Type Examination

(2) **Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) Type Examination Certificate Number: **DEKRA 20ATEX0134 X** Issue Number: **1**

(4) Product: **Industrial Ethernet Rail Switch BOBCAT BRS Series**

(5) Manufacturer: **Hirschmann Automation and Control GmbH**

(6) Address: **Stuttgarter Strasse 45-51, 72654 Neckartenzlingen, Germany**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification 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 test report no. NL/DEK/ExTR20.0088/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0 : 2018    EN 60079-7 : 2015 + A1 : 2018    EN IEC 60079-15 : 2019**

except in respect of those requirements listed at item 18 of the Schedule.

(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 and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



**II 3 G**

**Ex ec nC IIC T4 Gc**

Date of certification: **26 August 2021**

DEKRA Certification B.V.

**R. Schuller**  
Certification Manager

Page 1/2

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 20ATEX0134 X**

Issue No. 1

(15) **Description**

Industrial Ethernet Rail Switch BOBCAT BRS Series.

The rail mounted modules are intended for use in industrial automation applications, communicate via electrical or optical interfaces.

Ambient temperature range: 0 °C to +60 °C (identification mark C,S)  
-40 °C to +70 °C (identification mark E, G, T)

See Annex 1 to NL/DEK/ExTR20.0088/01 for type designation.

**Electrical data**

Supply:	2x (12 - 24 Vdc)	(identification mark T);
	2x 24 Vdc	(identification mark U)
	2x (24 - 48 Vdc + 24 Vac)	(identification mark F)
	2x (48Vdc (POE) / 54Vdc (POE+))	(identification mark P)

Relay output: max. 30 Vdc, max. 2 A (resistive load)

**Installation instructions**

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

(16) **Report Number**

No. NL/DEK/ExTR20.0088/01.

(17) **Specific conditions of use**

1. The equipment shall only be used in an area of not more than pollution degree 2, as defined in EN 60664-1.
2. The modules shall be installed in a suitable enclosure providing a degree of protection of at least IP54 according to EN IEC 60079-0, taking into account the environmental conditions under which the equipment will be used.

(18) **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item (9), the listed product series is also in compliance with EN 60079-15 : 2010, as detailed in the report.

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR20.0088/01.