

# CERTIFICATE

## (1) Type Examination

(2) **Product or Protective System intended for use in potentially explosive atmospheres - UKSI 2016:1107 (as amended) - Schedule 3A, Part 6**

(3) Type Examination Certificate Number: **DEKRA 21UKEX0065X** Issue Number: **0**

(4) Product: **Industrial Ethernet LAN Switch, RS20, RS22, RS30 and RS32 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 Schedule 1 of the Regulations 2016, UKSI 2016:1107 (as amended).

The examination and test results are recorded in confidential report NL/DEK/ExTR14.0085/04.

(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 to this certificate.

(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: 23 September 2021

DEKRA Certification B.V.

R. Schuller  
Certification Manager

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 21UKEX0065X**

Issue No. 0

(15) **Description**

Industrial Ethernet LAN Switches Series RS20, RS22, RS30 and RS32, for rail mounting and intended for use in industrial automation applications, communicate via electrical or optical interfaces.

Series RS20, RS30

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

Series RS22, RS32

Ambient temperature range: 0 °C to +50 °C (identification mark T);  
-40 °C to +50 °C (identification mark E)  
0 °C to +50 °C (identification mark S)

See Annex 1 to NL/DEK/ExTR14.0085/04 for type designation.

**Electrical data**

Series RS20, RS30

Supply: 9,6 Vdc to 60 Vdc, 2,1 A to 0,4 A or  
18 Vac to 30 Vac, 1,1 A, 50/60 Hz

Series RS22, RS32

Supply: 47 Vdc to 52 Vdc, 1,7 A

Relay output: max. 60 Vdc / 30 Vac, max. 1 A (resistive load)

**Installation instructions**

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

(16) **Report Number**

NL/DEK/ExTR14.0085/04.

(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.
3. Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 21UKEX0065X**

Issue No. **0**

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

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, compliance with all other requirements is demonstrated in the report, including compliance to EN 60079-15 : 2010..

(19) **Test documentation**

As listed in Report number NL/DEK/ExTR14.0085/04.