



Physical-Technical Testing Institute
Ostrava - Radvanice



(1) **Supplementary EU - Type Examination Certificate No.2**

- (2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

- (3) EU - Type Examination Certificate number:

FTZÚ 18 ATEX 0008X

- (4) Product: **Module FLPS2-60042-S-5 and FLPS2-6004E-S-5**

- (5) Manufacturer: **Endress+Hauser SICK GmbH+Co. KG**

- (6) Address: **Bergener Ring 27, 01458 Ottendorf-Okrilla, Germany**

- (7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 18 ATEX 0008X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

- (8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, 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 the Directive.

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

EN IEC 60079-0:2018, EN 60079-11:2012

- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

- (11) The marking of the product shall include the following:

 **II (1)G [Ex ia Ga] IIC**

- (12) This certificate is valid till: **31.03.2030**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.03.2025

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0008X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Change of manufacturer name.
- Extension of certificate validity.

The subject of this supplementary certificate is extension of certificate validity and change of manufacturer name from "SICK Engineering GmbH" to "Endress+Hauser SICK GmbH+Co. KG". The design and technical parameters of certified product remain unchanged. Updated documents are listed in clause (19) of this supplement.

Technical parameters: Recapitulation

IP20

Ta= -40°C to +60°C

Nominal power supply parameters: 12 – 24 V DC $\pm$ 10%, max. 0.4 A, SELV/class2

Nominal Digital output parameters: U = 30 V, I = 50 mA

Non Intrinsically safe terminals:

Vin: Um = 30 V AC, 60 V DC

DO0 – DO3: Um = 30 V AC, 60 V DC

RS485 (a1,b1 and a2,b2): Um = 30 V AC, 60 V DC

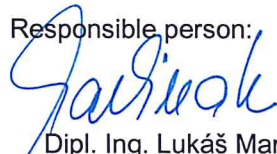
Ethernet: Um = 30 V AC, 60 V DC

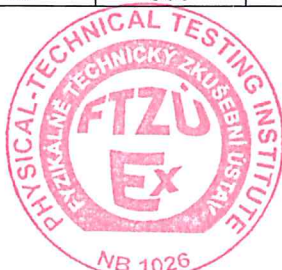
Intrinsically safe terminals:

- Vout +						
Group	Uo (V)	Io (mA)	Po (W)	Co (μF)	Lo (mH)	Lo/Ro (μH/Ω)
IIC	16.5	463	1.3	0.415	0.1	18.6
IIB	16.5	463	1.3	2.45	0.4	74.4
IIA	16.5	463	1.3	2.2	0.8	148

- Vci +					
Group	Uo (V)	Io (mA)	Po (mW)	Co (μF)	Lo (mH)
IIC	16.5	89	368	0.2	2.3
IIB	16.5	89	368	1.9	16
IIA	16.5	89	368	9.8	32

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(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0008X**

(15) Description of the variation to the Product: - continuation

DIO – DI3								
Group	Uo (V)	Io (mA)	Po (mW)	Co (μF)	Lo (mH)	Ui (V)	Ci (μF)	Li (mH)
IIC	16.5	9.7	40	0.41	100	16.5	0	0
IIB	16.5	9.7	40	2.45	200	16.5	0	0
IIA	16.5	9.7	40	9.8	300	16.5	0	0

Aux, 1A, 1B, 2A, 2B								
Group	Uo (V)	ΣIo (mA)	ΣPo (mW)	ΣCo (μF)	ΣLo (mH)	Ui (V)	ΣCi (μF)	Li (mH)
IIC	7.14	164	293	2.55	0.33	7.14	3.45	n.s.
IIB	7.14	164	293	196	2.5	7.14	3.45	n.s.
IIA	7.14	164	293	296	5	7.14	3.45	n.s.

Note: n.s. mean negligible small, Σ The values are valid as the sum for terminals Aux, 1A, 1B, 2A, 2B.

(16) Report Number: 18/0008/2

(17) Specific Conditions of Use: Recapitulation

1. The value of Um for all Non intrinsically safe terminals is lower than 250 V due to circuits which are connected with Non intrinsically safe terminals have to be SELV or PELV and is necessary to accept a measures which are listed in the user manual.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this supplementary certificate.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
E319620	01	5	19.03.2025	Excerpt of Operating Instructions
9276316	6	38	19.03.2025	Technical description

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