



Czech

INSPECTION CERTIFICATE

File number 14.321.303

Issued by inspection body No. 4002 accredited by CAI according to ČSN EN ISO/IEC 17020:2012:

ARGO-HYTOS s. r. o.**Dělnická 1306****543 15 Vrchlabí**

On the basis of results conducted by the checking, testing and evaluation, which are listed under Inspection report of TÜV SÜD Czech file No.: 14.321.302 we hereby confirm conformity of the below mentioned device:

Name: **E/E system related to safety hydraulic switchgear with slide gate position sensor**
Type series: **RPE3-062x/xS3**
Device Specifications: according to the wiring diagram in the catalogue RPE3-062x/xS3__4087_1cz_12/2019 and on drawing No. F002108904-A
Production number: 2056712
With requirements **ČSN EN 61508-1 ed.2:2011 (idt EN 61508-1:2010),
ČSN EN 61508-2 ed.2:2011 (idt EN 61508-2:2010),
ČSN EN ISO 13849-1:2017 (idt EN ISO 13849-1:2015),
ČSN EN ISO 13849-2:2013 (idt EN ISO 13849-2:2012)..**

**The E/E system safety-related functions of the product of the hydraulic switchgear with position sensor RPE3-062x/xS3 complies with ČSN EN 61508-1 ed.2 and ČSN EN 61508-2 ed.2 the requirements of SIL3 in high demand mode,
The safety function of the RPE3-062x/xS3 with 1oo1 architecture is compliant according to ČSN EN ISO 13849 performance level PL d,
The safety function of the RPE3-062x/xS3 with 1oo2 architecture is compliant according to ČSN EN ISO 13849 performance level PL e.**

Valid conditions:

- specified in TÜV SÜD Czech Inspection report, file number 14.321.303, dated 2022-02-16.

Detailed technical data are specified on the page 2.

In Ostrava, on 2022-02-16

**On behalf of TÜV SÜD Czech s.r.o.: Ing. Petr Navrátil**

This language version of the inspection certificate is a translation of the official Czech version dated 2022-02-16, which is considered to be the only correct one in the case of a dispute.

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Detailed technical data characterizing the product type:

| | |
|---|---|
| Name: | E/E system related to safety hydraulic switchgear with slide gate position sensor |
| Brief characteristics of the equipment: | The inductive non-contact position sensor is designed to signal the safe position of the hydraulic distributor. The safe position is the status where the control coil of the hydraulic distributor has no tension and the position of the distributor is thus fixed by the force of the springs. |
| Max. pressure resistance: | 315 bar |
| Operating temperature: | -20°C...+85°C (-4°F...+185°F) |
| Storage temperature: | -25°C...+85°C (-13°F...+185°F) |
| Supply voltage Ub: | 24 V DC \pm 20 % |
| Current consumption (max.): | 20 mA |
| Output voltage (min.): | Ub – 2.5 V |
| Output current: | 2 x 250 mA |
| Electrical coverage: | IP65 |
| Switch point hysteresis: | max. 0.06 mm (0.002 in) |
| Repeatability at 25°C (77°F): | \pm 0.02 mm (\pm 0.0008 in) |
| Temperature drift: | 0.002 mm/°C |
| Weight: | 0.250 kg (0.55 lbs) |
| Manufacturer: | ARGO-HYTOS s.r.o., Dělnická 1306, 543 15 Vrchlabí |

