



Certificate

No. SEBS-A.102606/16-1 V2.0

TÜV NORD Systems GmbH & Co. KG hereby certifies

JUMO GmbH & Co.KG

Moritz-Juchheim-Straße 1
36039 Fulda

for the safety related products electronic safety temperature monitor/limiter

JUMO safetyM STB/STW 701150

meets the requirements listed in the below listed standards

- DIN EN 61508/-1/-2/-3:2011; SIL 3
- DIN EN 14597: 2015
- DIN EN IEC 60730-2-9: 2021
- DIN EN ISO 13849-1:2016, PL e

Certificationprogram Leittechnik (SEB-ZE-SEECERT-VA-320-20, Rev. 5.1/4.19)

Base of certification is the report
SEBS-A.102606/16TB-1 and the
certificate tracking list in the valid
version.

Safety functions with capable SIL are
given in the certificate tracking list.
This certificate entitles the holder to use
the pictured Safety Approved mark.

Valid until: 2026-06-24
File reference: 8119036868

Hamburg, 2021-06-25


Bianca Pfuff



Tracking list, V4.0 of the temperature monitor/limiter

JUMO safetyM STB/STW 701150

Certificate-Nr. SEBS-A.102606/16-1 V2.0

Product type list JUMO safetyM STB/STW 701150				
Types	Connected sensors (Architecture)	SFF	PFDavg	PFH[1/h]
230V: JUMO safetyM STB/STW 701150	1 PT100 – two-wire-technology (1oo1)	96%	2,02e-4	4,56e-9
	2 PT100/PT1000 – two-wire-technology (1oo2)	96%	4,57e-5	1,05e-9
	2 PT100/PT1000 – three-wire-technology (1oo2)	96%	4,57e-5	1,05e-9
	2 thermal element (1oo2)	96%	4,49e-5	1,03e-9
	1 PT100/PT1000 – (two- and three-wire technology) 1 thermal element (1oo2)	96%	5,30e-5	1,22e-9
	STB/STW 701150 without sensors has a 1oo2D architecture, no sensing device, or use of 4...20mA means that the sensing device is not included in the calculations	96%	4,48e-5	1,04e-9
24V: JUMO safetyM STB/STW 701150	1 PT100 – two-wire-technology (1oo1)	96%	2,91e-4	6,59e-9
	2 PT100/PT1000 – two-wire-technology (1oo2)	96%	1,35e-4	3,07e-9
	2 PT100/PT1000 – three-wire-technology (1oo2)	96%	1,35e-4	3,07e-9
	2 thermal element (1oo2)	96%	1,37e-4	3,13e-9
	1 PT100/PT1000 – (two- and three-wire technology) 1 thermal element (1oo2)	96%	1,41e-4	3,23e-9
	STB/STW 701150 without sensors has a 1oo2D architecture, no sensing device, or use of 4...20mA means that the sensing device is not included in the calculations	96%	1,33e-4	3,05e-9

The JUMO safetyM STB/STW 701150 has the following mode of actions according to DIN EN 14597: 2B, 2D, 2F, 2K, 2J, 2V, 2N, 2P, Software class C. Certification according to DIN EN 61508 and DIN EN ISO 13849 applies to devices with extra code 058.

	Release JUMO:	Release Assessor	Release Certification body:
Signature:		 Digitally signed by Korte Robert Date: 2023.05.25 10:06:43 +02'00'	 Digitally signed by Pfuff Bianca Date: 2023.05.25 10:13:14 +02'00'
Date:			