

Prüfbericht

Examination report

Prüfnummer:
Test No.:

CH 23-04-26-004

Besteller / Customer / Client :

90014

JUMO Mess- und Regeltechnik AG
Laubisrütistrasse 70
8712 Stäfa
CH

Hersteller

Manufacturer

JUMO Mess- und Regeltechnik AG
Laubisrütistrasse 70
CH-8712 Stäfa

Prüfungsart

Type of examination

Railway application - Rolling stock equipment category 3 - according to DIN EN 50155:2021

Produktbeschreibung

Product description

RTD temperature probe

Marke, Modell, Typ

Trademark, model, type

JUMO 902195

Stäfa, 26.04.2023

Prüfer
Tester / Examineur

René Schlittler CEO



Das Zeugnis wurde maschinell erstellt und ist gemäß DIN EN 10204 ohne Unterschrift gültig.

This certificate has been issued mechanically and is - according to DIN EN 10204 - valid without signature.
Le certificat a été établi informatiquement et il est valable sans signature selon la norme DIN EN 10204.

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Pos. Pos.	Prüfung Test	Norm Standard	Bedingungen requirements	Ergebnis Result
1	Visual inspection	EN 50155:2021	no damages on device	pass
2	Performance test	EN 50155:2021	Verification of the functional requirements	pass
3	Low temperature test	EN 60068-2-1:2007	-50°C / 16h / Test Ab -50°C / 2.5h / Test Ad	pass
4	Dry heat test	EN 60068-2-2:2007	100°C / 85°C / 2h 10min / 6h	pass
5	Insulation test	EN 50155:2021	500 VDC / > 20MΩ	pass
6	High-voltage test	EN 50155:2021	500 VAC / 50 Hz / 1/min.	pass
7	Cyclic damp heat test	EN 60068-2-30:2005	+25°C / +55°C / 2 cycles à 24h / > 95% r.F.	pass
8	Shock and vibration test	EN 61373:1999/2010 EN 60068-2-64:2008/ A1:2019 EN 60068-2-27:2009	10 Hz ... 500 Hz / 38 m/s ² (RMS) 3 axis / 10 min / 2x per axis 10 Hz ... 500 Hz / 300 m/s ² (RMS) 3 axis / 5h per axis halfsinus / 1000 m/s ² / 6 ms / 3 (± X, ± Y, ± Z) / 3 shocks / total 18 shocks	pass
9	Enclosure protection test (IP code)	EN 60529:2014	IP 68 and IP 69	pass
10	Rapid temperature variation test	EN 60068-2-14:2009	T1 = 5°C / T2 = 120°C / 500 cycles	pass
11	Salt mist test	EN 60068-2-11:2022	5% NaCl / 35°C / 96h	pass
12	Industrial platinum resistance thermometers and platinum temperature sensors	EN 60751:2022	Complete standard tested	pass