

Manufacturer Declaration – Fire Behavior of Supplied Products

Hereby, we **Hirschmann Automation and Control GmbH**
Stuttgarter Straße 45-51, D-72654 Neckartenzlingen, Germany

duly represented by our attorney-in-fact, declare that our product

OCTOPUS OS20 / OS24 / OS30 / OS34

- OS20-00 [08|12|20|28] [00] 2x[T5|R5|1M|1S|1P|1L|4M|4S|4P|4L|5M|5S|5P|5L]T5-[V|T]
[BB|HH|N9] [US|S9|SY] [nn] [nn] [S|M|P|H|N|D|T] [n] [2S|2A|3S] nn.n.nn-nn,
- OS24-[08|10|11|12|14|15] [12|20|28] [00] 2x[T5|R5|1M|1S|1P|1L|4M|4S|4P|4L|5M|5S|5P|5L]T5-[V|T]
[FF|N9|QQ] [US|S9|SY] [nn] [nn] [S|M|P|H|N|D|T] [n] [2S|2A|3S] nn.n.nn-nn,
- OS30-00 [08|16|24] [02|04] 2x[T6|R6|1A|1B|1C|1D|4A|4B|4C|4D|5A|5B|5C|5D|99]T5-[V|T]
[BB|HH|N9] [US|S9|SY] [nn] [nn] [S|M|P|H|N|D|T] [n] [2S|2A|3S] nn.n.nn-nn
- OS34-[08|10|11|12|14|15] [08|16|24][02|04] 2x[T6|R6|1A|1B|1C|1D|4A|4B|4C|4D|5A|5B|5C|5D|99]T5-[V|T]
[FF|N9|QQ] [US|S9|SY] [nn] [nn] [S|M|P|H|N|D|T] [n] [2S|2A|3S] nn.n.nn-nn
- OS[2|3]4-[08|10|11|12|14|15] [08|12|16|20|24|28][00|02|04]
2x[T5|R5|T6|R6|1M|1S|1P|1L|1A|1B|1C|1D|4M|4S|4P|4L|4A|4B|4C|4D|5M|5S|5P|5L|5A|5B|5C|5D|99]
T5-[V|T]PP[T9|S9] [nn] [nn] [S|M|P|H|N|D|T] [n] [2S|2A|3S] nn.n.nn-nn.)

(n = any number or letter)

[Classification(s) met according to EN 45545-2] ...**Hazard Level HL3.**

conform to the fire behaviour requirements for products and/or materials in accordance with the European Directive (EU) 2016/797 and the technical specification for interoperability relating to the rolling stock subsystem - 'Locomotives and passenger rolling stock' of the rail system in the European Union, TSI LOC&PAS: 2020 Regulation (EU) N.1302/2014, amended by Commission Implementing Regulation (EU) 2020/387 of 9 March 2020 clause 4.2.10.2.1. and its Application Guide GUI/LOC&PAS TSI/2021 clause 2.4.74.

Furthermore, the undersigned company certifies and declares under sole responsibility:

- *That the product has been tested in accordance with the applicable requirement set(s) of the EN 45545-2 fire safety standard and that the test samples provided was representative of the mean production characteristics. Evident test reports issued by independent test laboratories accredited to EN ISO/IEC 17025 for these tests verify the conformity of the product. (With reference to the Test Report EN45545-2 OS2 Rev. 6.0 and Related Document Folder)*
- *That there has been no change in the product characteristics and the manufacturing process since the fire behavior properties of the product was verified, irrespective as to whether the product is manufactured completely or partially by the supplier, any subcontractor or any third party.*
- *That the continued conformity with the fire behavior requirements is ensured by means of adequate controlled and properly maintained quality assurance measures in the design and manufacturing process of the product.*
- *That the test reports and/or the conformity declarations with verified test results that are associated with this manufacturer declaration have been properly specified below and handed over to the customer.*

Test Reports/Conformity declarations associated with the manufacturer declaration:

Test Report EN45545-2 OS2 Rev. 6.0: EN45545_Report_OS2__Z18S68.pdf **Date of Issue: 24.02.2022**

Documents that are more than five years old and are to be renewed:

000185505DNR_742623001Z00G00_Panasonic_R-1566_GWT.pdf **Date of Issue: 13.03.2015**

000185506DNR_742620001Z00G00_ISOLA_IS400_GWT.pdf **Date of Issue: 13.03.2015**

000185507DNR_837647001_GWT.pdf **Date of Issue: 13.03.2015**

000185867DNR_Gap Filler _ MTC.pdf **Date of Issue: 25.03.2015**

000186798DNR_837-718-x01_0_000186798dnr_mess-_prüfberichte.pdf **Date of Issue: 06.05.2015**

000186799DNR_837-719-x01_0_000186799dnr_mess-_prüfberichte.pdf **Date of Issue: 06.05.2015**

000190075DNR_742-785-001_ULTRAMID A3X2G5_Produktdatenblatt.pdf **Date of Issue: 26.06.2015**

000197187DNR_161115 EN 45545-2 EN 60695-2_Hirschmann.pdf **Date of Issue: 27.06.2016**

UNIFE Template – Fire Safety Manufacturer Declaration – Fire Behavior of Supplied Products

000197188DNR_161116 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000197188DNR_161117 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000197188DNR_161118 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000197188DNR_161119 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000197188DNR_161120 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000197188DNR_161121 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000197189DNR_161122 EN 45545-2 EN 60695-2_Hirschmann.pdf	Date of Issue: 27.06.2016
000212443DNR_glühdrahtprüfung_inpotron_leiterplatten von hac.pdf	Date of Issue: 19.06-18.09.2015
000242885DNR_PA66_UL94.pdf	Date of Issue: 17.02.2014
000243041DNR_YEC_Ultramid_A3X2G5_Yellow_Card.pdf	Date of Issue: 26.06.2015

This declaration is valid for 5 years from the date of issue and thereafter the supplier shall revise it every 5 years.

Authorized Representative:



(Brian Lieser
Vice President & General Manager
Industrial Network Solutions)



(i.V. Peter Schumacher
Quality Manager)

Neckartenzlingen, 2022-07-21
(Issue place and date)

NOTE: In case of changes in either the product characteristics or the manufacturing process the supplier shall immediately inform the customers. The new/modified product has to be qualified according to the applicable requirement set of EN 45545-2.