

# 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**  
with the following possible product codes:

- OS[2|3] [0|4]-[00|08|10|11|12|14|15][08|12|16|20|24|28][00|02|04]  
[T5|R5|T6|R6|1M|1S|1P|1L|1A|1B|1C|1D|1E|1F|4M|4S|4P|4L|4A|4B|4C|4D|4E|5M|5S|5P|5L|5A|5B|5C|5D|5E|99]  
[T5|R5|T6|R6|1M|1S|1P|1L|1A|1B|1C|1D|1E|4M|4S|4P|4L|4A|4B|4C|4D|4E|5M|5S|5P|5L|5A|5B|5C|5D|5E|99) T5-  
[V|T][BB|HH|FF|N9|M9|QQ|PP][Z9|Y9|U9|UY|UT|US|T9|TY|S9|SY|EY|R9]nn nn n n nn nn.n.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. 8.0 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.*

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

Test Reports/Conformity declarations associated with the manufacturer declaration:

**Test Report EN45545-2 OS2 Rev. 8.0: EN45545\_Report\_OS2\_\_Z20S87.pdf**

**Test Report PCB glow wire test-EN45545-2:2020(Alternative PCB manufacturer)  
R25-0131 EN 45545-2 EN 60695-2-11 Hirschmann\_Belden**

In accordance with TSI LOC & PAS clause 4.2.10.2.1 and Application Guide GUI/LOC&PAS TSI clause 2.4.65, test reports older than five years are acceptable, provided that the product characteristics, material composition and manufacturing process remain unchanged and that the relevant TSI requirements have not changed.

This manufacturer declaration serves as documented evidence that these conditions are fulfilled and is renewed every five years.

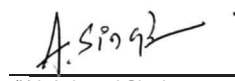
Test reports issued more than five years ago and valid in accordance with TSI LOC&PAS 4.2.10.2.1 and GUI 2.4.65:

000185505DNR\_742623001Z00G00\_Panasonic\_R-1566\_GWT.pdf  
000185506DNR\_742620001Z00G00\_ISOLA\_IS400\_GWT.pdf  
000185507DNR\_837647001\_GWT.pdf  
000185867DNR\_Gap Filler \_ MTC.pdf  
000186798DNR\_837-718-x01\_0\_000186798dnr\_mess-\_prüfberichte.pdf  
000186799DNR\_837-719-x01\_0\_000186799dnr\_mess-\_prüfberichte.pdf  
000190075DNR\_742-785-001\_ULTRAMID A3X2G5\_Produktdatenblatt.pdf  
000197187DNR\_161115 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197188DNR\_161116 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197188DNR\_161117 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197188DNR\_161118 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197188DNR\_161119 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197188DNR\_161120 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197188DNR\_161121 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000197189DNR\_161122 EN 45545-2 EN 60695-2\_Hirschmann.pdf  
000212443DNR\_glühdrahtprüfung\_inpotron\_leiterplatten von hac.pdf  
000242885DNR\_PA66\_UL94.pdf  
000243041DNR\_YEC\_Ultramid\_A3X2G5\_Yellow\_Card.pdf

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

Authorized Representative:

  
\_\_\_\_\_  
(i.V. Steffen Adolf  
Sr. Mgr. Global Product Compliance and Lab)

  
\_\_\_\_\_  
(i.V. Ashwani Singh  
Director Engineering OPS)

Neckartenzlingen, 2026-05-21  
\_\_\_\_\_  
(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.