

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

BXS30-12TX-EECC-LV-2A, 942 302-001
BXS30-12TX-EECC-HV-2A, 942 302-002
BXS32-12TX-EECC-LV-2A, 942 302-003
BXS32-12TX-EECC-HV-2A, 942 302-004
BXS40-12TX-EECC-LV-2A, 942 302-005
BXS40-12TX-EECC-HV-2A, 942 302-006
BXS42-12TX-EECC-LV-2A, 942 302-007
BXS42-12TX-EECC-HV-2A, 942 302-008

[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 BXS 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 BXS 1v0: 942302999_BXS_EN45545-2_Report.pdf **Date of Issue: 30.06.2022**

Test report: PCB glow wire test - EN45545-2:2020 (Alternative PCB manufacturer)
000246975DNR_752078001_Z01G01_Würth_Asien_R22-0393F EN 45545-2 EN 60695-2-11.pdf
Date of Issue: 2022-06-22 **Test report No. R22-039F**

Test report: PCB glow wire test - EN45545-2:2020 (Alternative PCB manufacturer)
000246974DNR_752078001_Z01G01_Würth_DE_R22-0393C EN 45545-2 EN 60695-2-11.pdf
Date of Issue: 2022-06-22 **Test report No. R22-039C**

Test report: PCB glow wire test - EN45545-2:2020 (Alternative PCB manufacturer)
000246973DNR_752077001_Z01G01_Würth_Asien_R22-0393E EN 45545-2 EN 60695-2-11.pdf
Date of Issue: 2022-06-22 **Test report No. R22-039E**

Test report: PCB glow wire test - EN45545-2:2020 (Alternative PCB manufacturer)
000246972DNR_752077001_Z01G01_Würth_DE_R22-0393E EN 45545-2 EN 60695-2-11.pdf
Date of Issue: 2022-06-22 **Test report No. R22-039B**

Test report: PCB glow wire test - EN45545-2:2020 (Alternative PCB manufacturer)
000246971DNR_752076001_Z01G01_Würth_Asien_R22-0393D EN 45545-2 EN 60695-2-11.pdf
Date of Issue: 2022-06-22 **Test report No. R22-039D**

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

Test report: PCB glow wire test - EN45545-2:2020 (Alternative PCB manufacturer)

000246970DNR_752076001_Z01G01_Würth_DE_R22-0393A EN 45545-2 EN 60695-2-11.pdf

Date of Issue: 2022-06-22

Test report No. R22-039A

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

161116_EN45545-2_60695-2_Hirschmann.pdf

Date of Issue: 2016-06-27

Test report No. 16/1116

000186798DNR_837-718-x01_0_000186798dnr_mess-_prüfberichte.pdf

Date of Issue: 2015-06-05

Test report No. 000186798DNR

000186799DNR_837-719-x01_0_000186799dnr_mess-_prüfberichte.pdf

Date of Issue: 2015-06-05

Test report No. 000186799DNR

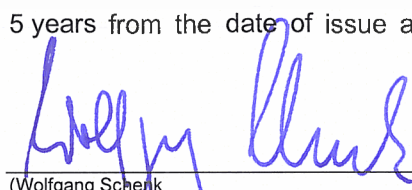
000209655DNR_Z01_G01_171777_EN45545-2_EN60695-2-11.pdf

Date of Issue: 2017-12-06

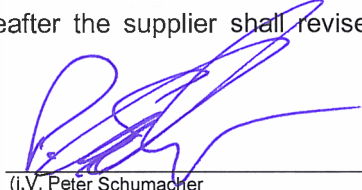
Test report No. 17/1777

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

Authorized Representative:



(Wolfgang Schenk
VP Business Development
Industrial Automation)



(i.V. Peter Schumacher
Quality Manager)

Neckartenzlingen, 2023-01-30

(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.