



CERTIFICATE

of Compliance

No. DOC-0000340313 K

Konstruktion und Material der aufgelisteten Produkte entsprechen der folgenden Spezifikation

The construction and material of the listed products comply with the following specification

Product:	Specification:
SWA 2459/360/7/20/V_1 Art. 84039156, Type 1399.17.0106	EN 50155 (2001) Climatic Tests: → DOC-0000259580 EN 60068-2-1 Cold temperature EN 60068-2-2 Dry heat EN 60068-2-30 Damp heat cyclic EN 61373 § 9, Cat. 1 Random Vibration EN 61373 § 10, Cat. 1 Mechanical shock EN 60068-2-11 Salt mist EN 60529, IP 65 Ingress protection DIN 75220 UV Radiation EN50124-1(2006-04) Isolation (27.5kV _{AC} and 3.8kV _{DC}) → DOC-0000274910 UIC Code – OR 533 protection by earthing the metal parts of vehicles IEC TR 62380 (2004) MTBF (Profile : "Automotive") > 13'721'154h (DOC-0000713926) Fire behaviour <ul style="list-style-type: none"> • BS 6853 → for indoor use (m ≤ 100 g) → no requirement • DIN 5510-2 §5.2.2 → for indoor use (m ≤ 300g) → UL94-V1 Fulfilled by use of material LEXAN EXL9330 • EN 45545-2 → for indoor use (m ≤ 100 g) → no requirement → for indoor use (m ≤ 500 g) → R24 Fulfilled by use of material LEXAN EXL9330 → Material test LEXAN EXL9330: DOC-0000318203, DOC-0000318201 → Material declaration of non-metal parts: DOC-0000339950
SOA 2400/360/4/20/V_2 Art. 84027317, Type 1324.17.0071 SOA-5600/360/3/20/V_1 Art. 84027318, Type 1356.17.0043	EN 50155 (2007) Climatic Tests: → DOC-0000348122 EN 60068-2-1 Cold temperature EN 60068-2-2 Dry heat EN 60068-2-30 Damp heat Random Vibration IEC 61373 § 9, Cat. 2 Mechanical shock IEC 61373 § 10, Cat. 2 → DOC-0000256149 IEC TR 62380 (2004) MTBF (Profile : "Automotive") > 13'721'154h (DOC-0000713926) Fire behaviour <ul style="list-style-type: none"> • BS 6853 → for indoor use (m ≤ 100 g) → no requirement • DIN 5510-2 §5.2.2 → for indoor use (m ≤ 300g) → UL94-V1 Fulfilled by use of material LEXAN EXL9330 • EN 45545-2 → for indoor use (m ≤ 100 g) → no requirement → for indoor use (m ≤ 500 g) → R24 Fulfilled by use of material LEXAN EXL9330 → Material declaration of non-metal parts: DOC-0000318203, DOC-0000353222



SWA 2459/360/7/20/V_2 Art. 84040934, Type 1399.17.0108 Art. 84043908, Type 1399.17.0111	<div>EN 50155 / EN 60068-2-27 Mechanical shock EN 50155 / EN 60068-2-64 Random Vibration → DOC-0000267156 EN 60529, IP X7 Ingress protection EN 60529, IP 6X Ingress protection → DOC-0000331954 EN 60529, IP X8 Ingress protection → DOC-0000331955</div> <div>DIN 75220 Solar radiation (1992-11) → DOC-0000216938, DOC-0000353369</div> <div>UIC Code – OR 533 protection by earthing the metal parts of vehicles</div> <div>IEC TR 62380 (2004) MTBF (Profile : "Automotive") > 7'442'440h (DOC-0000713926)</div> <div>Fire behaviour<ul style="list-style-type: none">• NF F16-101(1988-10), NF F16-102 (1992-04) → for outdoor use (m ≤ 300 g) → no requirement• BS 6853 → for outdoor use (m ≤ 400 g) → no requirement• DIN 5510-2 §5.2.2 → for outdoor use (m ≤ 300g) → no requirement• EN 45545-2 → for indoor use (m ≤ 500 g) → no requirement→ Material declaration of non-metal parts: DOC-0000353269</div>
SWA-2456/360/6/0/MIMO_2 Art. 84123697, Type 1399.35.0002	<div>EN 50155 (2007) Climatic Tests: → DOC-0000371011 EN 60068-2-1 Cold temperature EN 60068-2-2 Dry heat EN 60068-2-14 Change of temperature EN 60068-2-30 Damp heat EN 61373 § 9, Cat. 1 Random Vibration EN 61373 § 10, Cat. 1 Mechanical shock</div> <div>IEC TR 62380 (2004) MTBF (Profile : "Automotive") > 2'914'656h (DOC-0000713887)</div> <div>Fire behaviour<ul style="list-style-type: none">• BS 6853 → for indoor use (m ≤ 100 g) → no requirement• DIN 5510-2 §5.2.2 → for indoor use (m ≤ 300g) → UL94-V1 Fulfilled by use of material LEXAN EXL9330• EN 45545-2 → for indoor use (m ≤ 100 g) → no requirement → for indoor use (m ≤ 500 g) → R24 Fulfilled by use of material LEXAN EXL9330→ Material declaration of non-metal parts: DOC-0000371083</div>

Remarks:

A general compliance statement against fire standards NF F16-101/102, DIN 5510-2, BS 6853 and EN 45545-2 for the above listed products is available (DOC-0000379069). The mass of combustible materials is listed in the respective material declaration. The compliance statement is based on these documents.

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