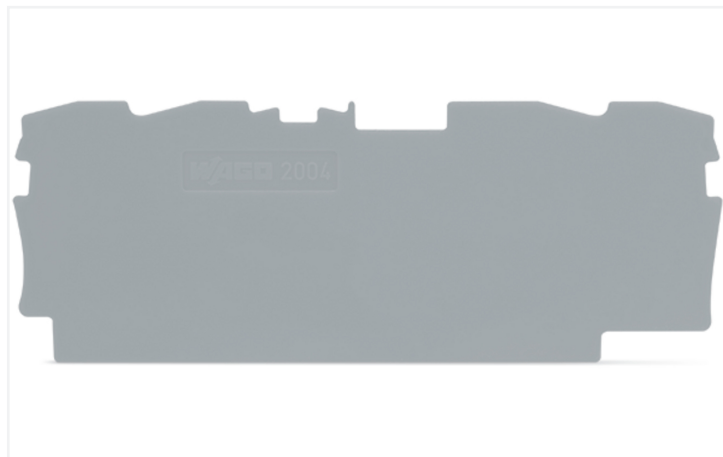


**Data Sheet | Item Number: 2004-1491**  
End and intermediate plate; 1 mm thick; gray

<https://www.wago.com/2004-1491>



Color: ■ gray

### Physical data

Width	1 mm / 0.039 inches
Height	78.2 mm / 3.079 inches
Depth	29.7 mm / 1.169 inches

### Mechanical data

Mounting type	snap-on type
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### Material data

Note (material data)

[Information on material specifications can be found here](#)

Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.072 MJ
Weight	2.4 g

### Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

### Environmental Testing (Environmental Conditions)

Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	$f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz to } f_2 = 150 \text{ Hz}$
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)

### Environmental Testing (Environmental Conditions)

Test duration per axis	10 min. 5 h
Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

### Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-33
eCl@ss 9.0	27-14-11-33
ETIM 9.0	EC000886
ETIM 8.0	EC000886
PU (SPU)	100 (25) pcs
Packaging type	Box
Country of origin	CN
GTIN	4044918332347
Customs tariff number	85389099990

### Product classification

UNSPSC	39121702
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### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

#### Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 2004-1491



**Documentation**

**Additional Information**

Technical Section

pdf  
2246.92 KB



**Bid Text**

2004-1491

28.04.2017

doc  
23.50 KB



2004-1491

19.02.2019

xml  
2.51 KB



**CAD/CAE-Data**

**CAD data**

2D/3D Models  
2004-1491



**CAE data**

EPLAN Data Portal  
2004-1491



WSCAD Universe  
2004-1491



ZUKEN Portal  
2004-1491

