



Electrical data

Ratings per IEC/EN		Ex information	
Nominal voltage (III/3)	800 V	Rated current (Ex e II)	16 A
Rated current	18 A		

Physical data

Width	7 mm / 0.276 inci
Height	4,1 mm / 0.161 inci
Depth	19 mm / 0.748 inci
Jumper assignment	1-2

Material data

Note (material data)	Information on material specifications can be found here
Color	gri deschis
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.006 MJ
Weight	0.7 g

Environmental requirements

Environmental Testing (Environmental Conditions)		Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04	Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Spectrum/Installation location	Service life test, Category 1, Class A/B	Shock test	Test passed according to Section 10 of the standard
Function test with noise-like vibration	Test passed according to Section 8 of the standard	Shock form	Half sine
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$ $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$	Shock duration	30 ms
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)	Number of shocks per axis	3 pos. und 3 neg.
Test duration per axis	10 min. 5 h	Vibration and shock stress for rolling stock equipment	Passed
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		



Commercial data	
Product Group	22 (TOPJOB S)
PU (SPU)	25 Buc.
Packaging type	Bag
Country of origin	DE
GTIN	4055143698412
Customs tariff number	85366990990

Product classification	
UNSPSC	39121421

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption