

ENSTO

7240341

Railway Surge Arrester

Code 7240341

GTIN

Name Railway Surge Arrester
VARISIL HDC

Description VARISIL™ type HDC surge arrester provides protection for equipment in substations or on vehicles energized with direct current. The performance of VARISIL™ HDC surge arrester is in accordance with recommendations of IEC 60099-4 and EN 50526 et EN 45545 HL2 criterion R22 and HL3 R23.



Technical specification

Temperatures

| | |
|-----------------------------|---------------------|
| Max. operating temperature: | +70 °C |
| Ambient temperature : | -50°C to +50°C |
| Humidity: | 100% at 25 °C (max) |
| Storage temperature: | -50 ... +80 °C |

Electrical values

| | |
|--|--------------|
| Pollution degree: | 4 |
| Operating voltage: | 0,9 to 4,4kV |
| Rated discharge current: | 10 kA |
| Dry lightning impulse withstand voltage: | 40 ... 50 kV |
| Wet power frequency withstand voltage: | 16 ... 20 kV |

Mechanical

| | |
|--------------------------------|--------|
| Tightening torque: | 55 N.m |
| Max. continuous load: | 1600 N |
| Highest permitted load in use: | 2 kN |

Ratings

| | |
|-----------------------|--------------|
| Rated voltage: | 1 ... 4.8 kV |
| Degree of protection: | IP67 |

Rated frequency: d.c.
Fire resistance class: HL3-R23 / EN 45545-2

Short-circuit characteristics

Rated short time withstand current: 31,5kA / 0,2s