



11 OSAD27

ROOF DISCONNECTING SWITCH WITH SILICON INSULATORS 11 OSAD27

11 OSAD27 is a no-load electric device with a visible disconnecting path designed for disconnecting electric circuits of railway vehicles. Made for EMUs, locomotive, and high-speed trains, the disconnecter mounts into the roof of the vehicle.

Boasting flexible silicon insulators, 11 OSAD27 offers best-in-class performance across key metrics, including life cycle cost (LCC) and lifetime value.

SILICON INSULATORS BENEFITS

Difficult to damage

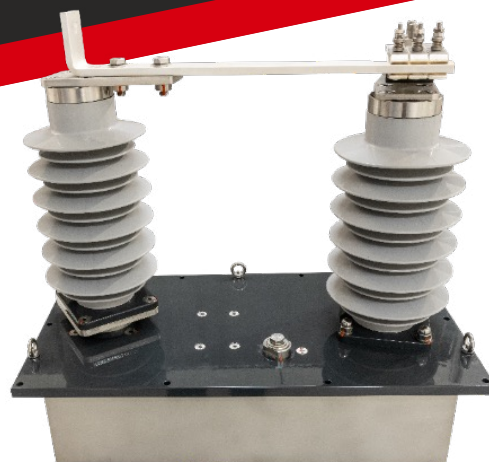
The silicon insulators are flexible, made from non-brittle material (silicon) which reduces risk of damage. Flexible silicon material prevents micro-cracks in the insulators vs. epoxy resin material, reducing LCC and increasing product longevity.

Mitigation of pollution flashovers

Low hydrophobicity of the silicon rubber combined with the outstanding pollution performance of silicon reduce pollution flashovers. The superior pollution performance of the material also reduces maintenance costs as silicon insulators do not require regular cleaning – unlike insulators made of other materials.

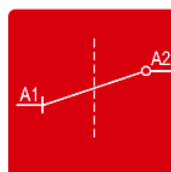
Explosion-proof for maximum safety

In case of flashover, the silicon insulator will not explode. Insulators made of other materials, including ceramics and epoxy resin materials, can explode into dangerous, destructive fragments



11 OSAD27 MAIN PARAMETERS

DESCRIPTION	PARAMETERS
Temperature range	-25 °C to +70 °C
Overvoltage category	OV4
Pollution degree	PD4
Nominal voltage	25 kV AC
Nominal current	180 A
Rated short-circuit current	16 kA, (1s)
Peak current	40 kA, (100 ms)
Nominal control voltage	110 V DC (range 77 to 137,5 V DC)



DISCONNECTING SWITCH

CONTACT

Wabtec Corporation

U Přivaděče 1315/3
326 00 Plzeň
Czech Republic
Phone: +420 379 207 111
E-mail: info.ftczech@wabtec.com