



IEC 60417-6182:
Installation,
electrotechnical expertise

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Consignes de sécurité

Montage et branchement de l'appareil à faire exclusivement par un électricien qualifié.

Respecter les normes et les prescriptions de sécurité en vigueur localement (CEI 60364-5-53 (VDE 0100 partie 534:....)).

Avant montage, procéder à un contrôle visuel extérieur de l'appareil. Ne pas monter celui-ci en cas de dommage manifeste ou si tout autre défaut est présent.

La mise en œuvre de l'appareil n'est autorisée que pour la destination et aux conditions présentées et explicitées dans les présentes instructions de service. Des charges non comprises dans les plages de valeurs indiquées pourraient abîmer l'appareil ainsi que les matériels électriques qui lui sont raccordés. Toute revendication en garantie sera exclue dans le cas d'une intervention sur l'appareil ou d'une transformation de celui-ci.

FR

Caractéristiques techniques supplémentaires

Nombre de ports du dispositif de protection contre les surtensions : 1

3) Indice de protection : IP 20 (monté)

Safety Instructions

The device may only be connected and installed by an electrically skilled person.

National standards and safety regulations must be observed (see IEC 60364-5-53 (VDE 0100 Part 534:....)).

The device must be checked for external damage before installation. If any damage or other faults are detected in this check, the device must not be installed.

Its use is only permitted within the limits shown and stated in these installation instructions. The device and the equipment connected to it can be destroyed by loads exceeding the values stated. Opening or tampering with the device invalidates the warranty.

GB

Additional Safety Instructions

Number of ports of the SPD: 1

3) Degree of protection: IP 20 (installed device)

Special technical information referred to UL 1449:

1. Safety Instructions

The ABB OVR series SPD is to be installed only by a qualified personnel and to be done so in compliance with all local and National Electrical Code requirements. For proper system protection coordination with other SPD's must be considered; contact our application engineer for assistance if in doubt. Installation and connection to service must be done only when the system is de-energized. Its application is to be compliant with its rating and therefore must not be installed in a more severe environment subjecting it to higher voltages, currents or energy levels than for which its technical specifications provide. It is designed for indoor applications and must be placed in a suitable rated NEMA enclosure if the system is to be in a harsher environment. Opening or tampering with the thermoplastic enclosure may damage the effective operation of the SPD and is inadvisable and will void the warranty.

2. General Installation Instructions

Section 250 of the NEC and IEEE Green Book, Standard 142 should be consulted. Local electrical codes and/or the Canadian Electrical code have to be considered. **System voltage:** Make sure that the SPD is correctly rated for the system where the SPD should be applied. The maximum continuous operating voltage (MCOV) must not be exceeded. **Mounting:** Make sure that the SPD is installed as close as possible to the device to be protected. The conductor length for these connections must be kept as short and as straight as possible. The SPDs are to be mounted on the 35 mm DIN rail. The DIN rail is to be securely mounted to the back of the interior of the panel using ¼ inch bolts every 8 inches (200 mm). The SPDs can either be slid on the DIN rail from open end or put on the DIN rail by compressing the spring loaded clamping device on the lower back of each unit. The SPDs shall permit sufficient clearance for conductor power and signaling connections. **Conductor Connections:** Phase connections to the SPD and ground side connections from the SPD to the ground bus must be of the wire size indicated in the technical specifications. Insulation should be stripped back as described on the previous page. All conductor terminal screws shall be tightened to the torque indicated in the technical data. **Grounding:** Make sure that the grounding of the SPD is as short and straight as possible with the specified wire size according to the technical data. Use a local equipotential bonding bar if possible. For proper operation the SPD must be connected to a low impedance ground. **Remote Contact Signaling:** In case of a device with remote contact signaling make sure that the torque is as indicated in the technical data. **Problem Diagnostics:** If there should be any problem please contact your local ABB representative.

Type	OVR T1-T2 1L 2S-255 P (TS)
Mode	L - N
Rated Voltage [V] (50/60 Hz)	1:230
MCOV [V]	255
VPR [V]	1500
In [kA]	20
SCCR [kA]	30
Amps [A]	115
Fuse max.	class 1200 A
Max. Ambient Temp.	+80°C
Conductors	8 Cu Stranded
Torque	65 Lbs-in
Remote Indicator	14-22 Cu 3 Lbs-in
SPD classification	Type 2 SPD - Component Assembly