



# SURGE PROTECTION

## Surge Protection - Safety, Security & Stability

GARO offer a range of surge protective devices including Type 1, Type 11 & Type 111. GARO also has a combined TYPE1, 11, & 111. Our Type 11 products provide an excellent SPD solution in power distribution network where temporary over-voltages (TOVs) or switching transients may be present.

The products feature a new industrial design with pluggable modules for easy replacement, vibration and shock withstand capacity, a patented module locking mechanism, and a wide variety of operating voltages to fit any low voltage power protection need.

### KEY FEATURES

- Sensitive and Reliable State of the Art Disconnecter
- High Surge Current Capability,  $I_{max} = 50kA$
- Backup Fuse up to 250 A gG
- Short Circuit Current Rating up to 50kA
- Vibration and Shock withstand Capability
- VDE-IEC (Class I+II) EN61643-11:2011



\* Surge Kits Available with Busbar & Cable



18TH EDITION  
COMPLIANT



CE CERTIFIED



ENHANCED  
PROTECTION



COMPREHENSIVE  
WARRANTIES

# Surge Protection - Safety, Security & Stability

## CLASS 1 SURGE PROTECTION DEVICES

PRODUCT	POLES	CLASS	SIGNAL RELAY	IMPULSE CURRENT (10-350)uS	BACK UP FUSE MAXIMUM
BSR 275 3 Pol	3	I,II,III	yes	25KA per pole	250A
BSR 275 4 Pol	4	I,II,III	yes	25KA per pole	250A
GBR 275 3 Pol	3	I,II	yes	25KA per pole	160A
GBR 275 4 Pol	2	I,II	yes	5KA per pole	160A



BSR 275 3 Pol

Commonly used in Industrial & Commercial Applications with additional Lightning Protection

## CLASS 11 SURGE PROTECTION DEVICES

PRODUCT	POLES	CLASS	SIGNAL RELAY	IMPULSE CURRENT (10-350)uS	BACK UP FUSE MAXIMUM
GPTT2-300-1-0	1	II	no	5KA per pole	125A
GPTT2-300-1-0-R	1	II	yes	5KA per pole	125A
GPTT2-300-2-0	2	II	no	5KA per pole	125A
GPTT2-300-2-0-R	2	II	yes	5KA per pole	125A



GPTT2-300-2-0

Commonly used in Commercial & Domestic Applications

## CLASS 111 SURGE PROTECTION DEVICES

PRODUCT	POLES	CLASS	SIGNAL RELAY	IMPULSE CURRENT (10-350)uS	BACK UP FUSE MAXIMUM
PDM 320	1	III	no	10KA per pole	63A
PDMR320	1	III	yes	10KA per pole	63A
PDM320plug	1	III	yes	10KA per pole	63A
GTS170	1	III	yes	20KA per pole	63A
GTS170plug	1	III	yes	20KA per pole	63A



PDM320

Commonly used in Telecommunications /Data Networks .



**For technical support contact our office to discuss your requirements.**

GARO

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