



DG SU 1P 120 R (908 090)

- Prewired complete unit without the need for additional surge protective devices
- High discharge capacity due to heavy-duty zinc oxide varistors (I_{max} 50 kA 8/20)
- Short-circuit current rating (SCCR) 200 kA
- ANSI/UL 1449 open-type 1 SPD

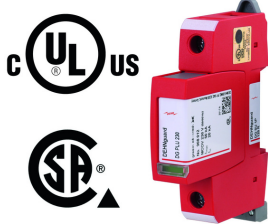
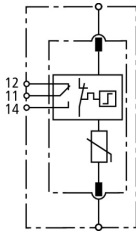
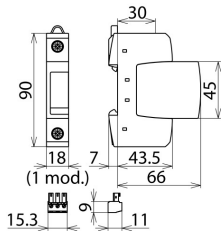


Figure without obligation



Basic circuit diagram DG SU 1P 120 R



Dimension drawing DG SU 1P 120 R

DIN rail mount, pluggable surge arrester consisting of a base part and plug-in protection module for application in Single Phase electrical systems; has floating Form C (SPDT) remote status contacts

Standards

Type	DG SU 1P 120 R
Part No.	908 090
Certification	UL
UL Standard	UL 1449 5 th edition
UL File Number	E319777

Test values according to UL 1449

Type	DG SU 1P 120 R
Part No.	908 090
Type (SPD classification)	Type 1 component assembly
Voltage protection rating (VPR)	700 V
Nominal discharge current (8/20µs) (I_n)	20 kA
Maximum ambient temperature	85 °C
AWG (conductors)	2-14 Cu solid or stranded
Torque (conductors)	35 - 45 Lbs-in
AWG (remote indicator)	16 - 22 Cu
Torque (remote indicator)	3 Lbs-in

Type Part No.	DG SU 1P 120 R 908 090
SPD as per ANSI/UL 1449	Open-Type 1 SPD
UL 1449 edition	5 th edition
SPD as per CSA-C22.2 no. 269.1	Type 4-1 Component Assembly
Nominal System Voltage (U _N)	127 Vac
Nominal Power System Frequency	50 / 60 Hz
Max. continuous operating voltage AC (MCOV)	230 Vac
Nominal discharge current (8x 20 μs) (I _n)	20 kA
Voltage protection rating (VPR)	700 V _{pk}
Max. mains-side overcurrent protection	Not needed
Short circuit current rating (SCCR)	200 kA
System type	Single Phase
Operating Temperature Range (T _U)	-40°C...+85°C
Operating state / fault indication	Green = Good ; Red = Replace Module
Cross-sectional area (min.)	14 AWG / 2.5 mm ²
Cross-sectional area (max.)	2 AWG / 35 mm ²
Terminal Torque Ratings	35-45 Lbs-in
Mounting	35 mm DIN rails acc. to EN 60715
Enclosure material	thermoplastic, red, UL 94 V-0
Degree of protection	IP 20
Capacity	1 module(s), DIN 43880
Approvals	UL, CSA
Remote status contact	Floating (dry), Form C (SPDT)
Remote Status NEC Circuits	NEC Class 2 circuits only
Remote Status Wire Sizes	AWG 16-22 / 1.5 mm ² - 0.34mm ²
Remote Status Terminal Torque Ratings	3 Lbs-in
Extended technical data:	
Max. discharge current (8/20) (I _{max})	50 kA
Weight	117 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364148550
PU	1 pc(s)

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.