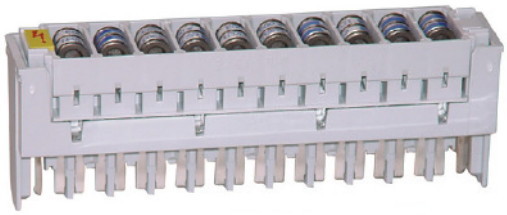
Arrestor Magazine, Loaded

Issue 2



ADC offers a range of over voltage protection for the LSA-PLUS/ LSA Profile Series 2 Connection and Disconnection modules, in the form of plug in magazines fitted with 3-pole Gas Discharge Tubes (GDT). In addition to the primary protection afforded by the GDT, additional thermal fail-safe functionality may be fitted, to protect against overheating from interference currents, e.g. power crossing.

The magazines are inserted fully into the contacts of the Connection or Disconnection module, ensuring that the clamps on the sides of the modules grip the lugs of the back mount frame or the earth clips of the profil rails. Connection to LSA PROFILE Disconnection and Connection modules and rails is via the earth contact clips (P/N: 6089 3 202-00).

When used with ADC KRONE Series 2 Disconnection or Connection modules, the surge capacity is rated at 5kA per wire. If the magazine is inadvertently omitted, a unique design feature renders the Series 2 switching module inoperative until the protection is reinstated.

When used with ADC KRONE Series 2 Connection modules, the capacity is rated at 10kA per wire.

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Features:

- The 3-pole gas discharge tubes will normally recover after a rated surge passes
- The optional fail safe 3-pole gas discharge tubes will open circuit to a fail safe state if there is a sustained power surge (must be inspected and replaced to restore service)

ADC KRONE

www.adckrone.com/sg

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Specifications

General:

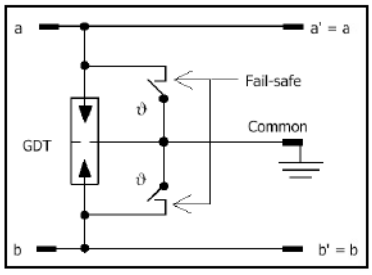
Environment for use: ..... Indoors, in dry closed rooms
Maximum relative humidity: ..... ≤93% non-condensing
Storage temperature range: ..... -40° to +80°C
Operation temperature range: ..... -20° to +60°C
Flammability rating of plastic housing: ..... UL 94 V-0
No. of magazine insertion cycles: ..... typically ≥200
Dimensions: ..... 40.6(L) x 113(W) x 22.3(H) mm

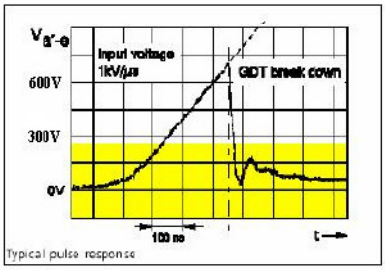
Arrestor:

Mechanical characteristics: ..... sinusoidal wave acc. To IEC 68-2-6
Climatic characteristics: ..... DIN IEC 68 part2-2/3 (thermal resistivity
..... DIN IEC 68 part2-1 (cold resistivity)
Insulation resistance: ..... ≥1000MΩ at 100VDC
DC spark-over voltage: 180-300V
Impulse spark-over voltage (1kV/µs)(a/b-e) [1] : ..... <900V
Nominal arrestor alt. discharge current (a/b-e) [2] : 5Arms
Nominal arrestor surge current (8/20µs) (a/b-e) [2] : 5kA
Transverse time (1kV/µs): ..... <200ns
Fail-safe response time: ..... <5s (5A)
Typical capacitance (a/b-e, a-b @ 1MHz): ..... <3pF

RoHS compliant

1) For 99% of all measuring values
2) According to ITU-T K12





SPEC SHEET

Ordering Information

Description	Quantity	Product No.
Arrestor Magazine, Loaded, 3-pole, 230V	Each (packed in a box of 10)	S6089 2 023-08

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