

## AR CYLINDRICAL FUSE LINKS FOR SEMICONDUCTORS

Rapidplus cylindrical fuse links for semiconductors

491805  
Semiconductor High Speed Fuse Link 22x58mm aR with striker, 690V, 25A

- 10x38, 14x51 and 22x58 sizes
- wide range rated between 1A and 100A
- UL and IEC approved
- Rated up to 690VAC



### PRODUCT DESCRIPTION

## AR CYLINDRICAL SEMICONDUCTOR FUSE LINKS – FAST-ACTING PROTECTION FOR POWER ELECTRONICS

DF Electric's aR cylindrical fuse links are high-speed aR-class fuses, specifically designed to protect semiconductor components such as IGBTs, thyristors, SCRs, and diodes. These fast-acting fuses provide critical protection in circuits where conventional fuses are too slow to react to short-circuit events.

### KEY FEATURES

- aR operating class – Offers ultra-fast disconnection to protect sensitive semiconductors from damage during fault conditions
- Voltage rating – Up to 690V AC and 700V DC (L/R = 10ms)
- Breaking capacity – 200kA at 690V AC, 30kA at 700V DC
- Current ratings – 1A to 100A
- Optional striker pin – Compatible with microswitches for remote fault indication
- Construction – Ceramic tube with silver-plated contacts for high durability and conductivity
- Standards – Compliant with IEC/EN 60269-1/-4 and UL 248-1/-13

### APPLICATIONS

- Power semiconductor protection (IGBTs, MOSFETs, thyristors)
- DC/AC inverters and rectifiers
- Soft starters and variable speed drives (VSD/VFD)
- UPS systems, welding controls, and high-speed DC switching equipment
- Any power electronics requiring low  $I^2t$  and rapid fault isolation

### WHY CHOOSE DF ELECTRIC AR FUSE LINKS?

- Specifically engineered for semiconductor fault protection
- Fast acting with minimal energy let-through (low  $I^2t$ )
- Supports both AC and DC environments with high breaking capacity
- Reliable performance in industrial automation, drive systems, and precision electronics

## TECHNICAL DATA

### GENERAL DATA

Type

aR

Size	22x58
Rated current	25 A
Voltage ac max	690 V
Voltage dc max	700 V
Frequency	42...62Hz
Indicator	No

**ADDITIONAL DATA**

Tariff code	85361050
Country of origin	ES
Weight	50 g
Pack size	10