

AFDD - DS-ARC1M

COMMERCIAL AND INDUSTRIAL RANGE

Features and Ratings:

- Complete protection against arc faults overvoltages, overcurrent, earth fault currents.
- 1P+N: 10kA @ 230VAC to IEC/EN 61009-2-1



DS-ARC1M...

10kA ARC FAULT DETECTION DEVICE (AFDD) WITH INTEGRATED RCBO

Current Rating (A)	C Curve
RCBO Type A 30mA	
10	DS-ARC1MC10A30
16	DS-ARC1MC16A30
20	DS-ARC1MC20A30

Every year in Australia there are over 10,000 house fires, resulting in death, injury, and millions of dollars' worth of property damage. Even a minor electrical fault can have serious consequences.

Arc faults can be in Series, Parallel or to Earth. If the arc current is below the tripping threshold of the upstream MCB or RCD, there is a significant risk of fire. Plus these devices may not trip at all depending on the type of arc fault. However an AFDD will detect any type of arc current and trip to clear the fault, protecting the installation.

The most frequent causes of arc faults are:

- Damaged insulation by screws or nails.
- Trapped cables in doors and windows.
- Incorrect installation.
- Cable breakage.
- UV radiation and rodent damage to cables in the outdoor areas.
- Loose contacts and connections.
- Snapped plugs and cables.

