

# RAPIDPLUS

HIGH SPEED FUSE LINKS FOR SEMICONDUCTORS

QUICK GUIDE

## gS CYLINDRICAL fuse links

10x85

U 1000V AC/DC

In 1A...20A

BREAKING CAPACITY 30kA AC  
10kA DC



**RAPIDPLUS® 10x85 gS cylindrical fuse links** are capable to clearing all types of overcurrents, overloads as well as short-circuits, thus the fuse links protect semiconductors as well as cables and all switchgear of installation.

## gR CYLINDRICAL fuse links

10x38

14x51

22x58

U 690V AC<sup>UL/REC</sup>  
440V DC<sup>EC</sup>

In 1A...32A 4A...50A 20A...100A

BREAKING CAPACITY 200kA  
30kA@440V DC

STANDARDS   



## aR CYLINDRICAL fuse links

10x38

14x51

22x58

U 690V AC<sup>UL/REC</sup>  
700V DC<sup>EC</sup>

In 1A...32A 4A...50A 20A...100A

BREAKING CAPACITY 200kA  
30kA@700V DC

STANDARDS   



**RAPIDPLUS® gR and aR cylindrical fuse links** range comprise three sizes with dimensions 10x38, 14x51 and 22x58, with rated currents between 4A and 100A and a rated voltage of 690V AC. Sizes 14x51 and 22x58 are available also with striker, for use in fuse bases with micro-switch.

**gS**

**gS**  
NH  
fuse links

	NH000	NH00	NH1	NH2	NH3
U	690V AC				
I <sub>N</sub>	20A...100A	125A   160A	125A...280A	250A...450A	355A...630A
BREAKING CAPACITY	100kA 30kA@440V DC	100kA 30kA@440V DC	100kA 30kA@550V DC	100kA 30kA@550V DC	100kA 30kA@550V DC



**RAPIDPLUS® gS NH fuse links** range comprise five sizes NH000, NH00, NH1, NH2 and NH3 with rated currents between 20A and 630A and a rated voltage of 690V AC.

**aR**

**aR**  
NH  
fuse links

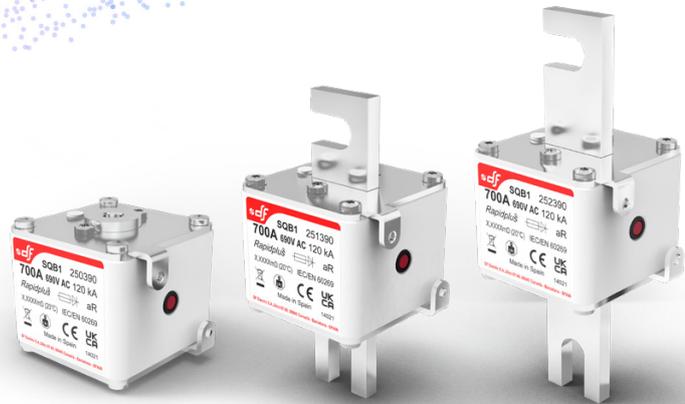
	NH000	NH1	NH2	NH3
U	690V AC	690V AC	690V AC	690V AC
I <sub>N</sub>	16A...250A	40A...400A	200A...700A	500A...1000A
BREAKING CAPACITY	120kA 30kA@440V DC	120kA 30kA@550V DC	120kA 30kA@550V DC	120kA 30kA@550V DC



**NH RAPIDPLUS® aR NH fuse links** range comprise four sizes NH000, NH1, NH2 and NH3 with rated currents between 16A and 1000A and a rated voltage of 690V AC.

**SQB** **SQB1** **SQB**  
square body  
fuse links

	FLUSH END CONTACT	BLADE CONTACT 80mm	BLADE CONTACT 100mm
U	690V AC	690V AC	690V AC
In	80A...800A	80A...800A	80A...800A
BREAKING CAPACITY	120kA	120kA	120kA



**SQB** **SQB3** **SQB**  
square body  
fuse links

	FLUSH END CONTACT	BLADE CONTACT 80mm	BLADE CONTACT 100mm
U	690V AC	690V AC	690V AC
In	500A...1400A	500A...1400A	500A...1400A
BREAKING CAPACITY	120kA	120kA	120kA



**SQB** **FLUSH  
END  
CONTACT** **SQB**  
square body  
microswitch system

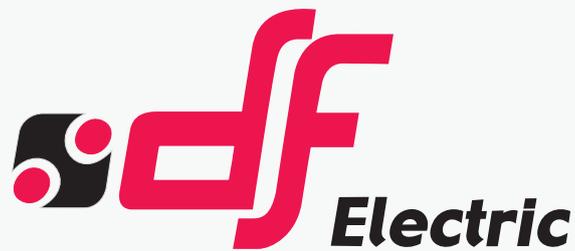
	BLADE CONTACT 80mm	BLADE CONTACT 100mm
U	250V AC	
In	4A	



**RAPIDPLUS® SQUARE BODY (SQB) aR fuse links** are specially designed for protection of power semiconductor devices. Typical application comprise protection of diodes, thyristors, triacs and IGBTs, used in power rectifiers, UPS, converters, motor drives, soft starters, solid state relays, photovoltaic inverters, welding inverters and any application in power electronics, where it is necessary to protect power semiconductor devices.

Thanks to the design of their melting elements, the materials employed and their construction with solidified sand, these fuses provide excellent characteristics:

- Ultra-fast acting.
- Very good current limiting.
- Very low I<sup>2</sup>t values.
- High breaking capacity.
- Excellent cycling capability.



# PROTECTING THE WORLD

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According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



To prevent electrical hazards, carry out the installation without voltage.



**Safety notice**  
Please capture the following QR code and read our safety notice carefully before installing our products.



The data reflected in this technical record are subject to the correct installation of the product in accordance with manufacturer's instructions, relevant installation standards and professional practices, maintained and used in applications for which they were made.

The products described in this document have been designed, developed and tested in accordance with specific standard. They are considered components that are integrated as part of installation, machine or equipment. The correct general operation of the referred product is responsibility of the manufacturer of the installation, machine or equipment.

DF ELECTRIC cannot guarantee the characteristics of an installation, machine or equipment that has been designed by a third party. Once a product has been selected, the user must verify that it is appropriate for its application, through the verifications and/or tests that it deems appropriate.

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