



## ORDER SUPPORT

# 5SV6 AFDD/MCB

## Compact personal and fire protection

Modern electrical devices and the rising number of communication and multimedia devices lead to a higher current loading in the electrical installation of buildings – in new buildings as well as in the modernization of existing buildings. In case of faults, there is above all the danger of electric fires, in addition to electric shock or the destruction of electrical systems. With SENTRON components, Siemens offers secure protection in electrical installations.

### Highlights

- 50% space saving
- Easy retrofitting
- Increased system availability
- New busbar concept
- 1000 V ISO testing without removing conductors
- Protection against short-circuit overload and fault arcs

### 5SV6 AFDD/MCB in only 1 MW


Arc fault detection devices detect serial and parallel arcing faults and provide protection from electrical fires. According to IEC 60364-4-42, they are recommended for use in many areas of application.

The combination of AFDD and MCB provides safe protection against short-circuits, overloads and serial fault arcs. Thanks to the width identical to the MCB, the 5SV6 AFDD with integrated MCB is not only easily installable in new buildings, it also features straight-forward retrofitting in existing buildings. This provides an enhanced protection function without additional space requirement. The standards-compliant extension of the electrical installation for protection against electrical fires is thus quickly possible at any time.


The new AFDD with integrated MCB and led out neutral conductors on the feeding side, can easily replace a standard MCB. The busbar connection of the AFDD/MCB is a standard pin busbar connection, same as in the 5SY, 5SL, 5SV, 5SJ, etc, series, which saves storage costs and money. The N-conductor is led out and connected to the N-rail, allowing a very simple wiring, even when retrofitting. Thanks to the DIN-rail slider, the AFDD/MCB can easily be mounted and removed from the busbar system without any tools.

## Order information

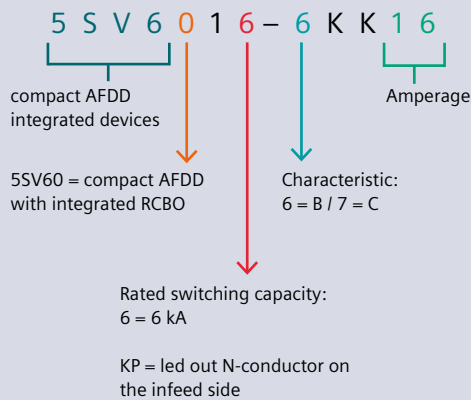
### 5SV6 AFDD/MCB 6kA in only 1 MW

	B-characteristic	C-characteristic
6 kA		
	6 A	5SV6016-6KK06
	10 A	5SV6016-6KK10
	13 A	5SV6016-6KK13
	16 A	5SV6016-6KK16
	20 A	5SV6016-6KK20
	25 A	5SV6016-6KK25
	32 A	5SV6016-6KK32
	40 A	5SV6016-6KK40

### 5SV6 AFDD/MCB 6kA in only 1 MW

	B-characteristic	C-characteristic
6 kA		
	6 A	5SV6016-6KP06
	10 A	5SV6016-6KP10
	13 A	5SV6016-6KP13
	16 A	5SV6016-6KP16
	20 A	5SV6016-6KP20
	25 A	5SV6016-6KP25
	32 A	5SV6016-6KP32
	40 A	5SV6016-6KP40

### The following structure applies to the order numbers:



Up to max. 32 A

### Rail 1-phase, not cuttable

	10 mm <sup>2</sup>	16 mm <sup>2</sup>
2 LS 1-pole	5ST3600	5ST3630
6 LS 1-pole	5ST3601	5ST3631
12 LS 1-pole	5ST3602	5ST3632

### Rail 1-phase, not cuttable

2 LS 3-pole	5ST3613	5ST3643
3 LS 3-pole	5ST3614	5ST3644
4 LS 3-pole	5ST3615	5ST3645
1 FI + 8 LS, 12 MW	5ST3624	5ST3654
1 FI + 8 LS, 11 MW	5ST3667	5ST3668

### Rail 1-phase, cuttable, angled 90°

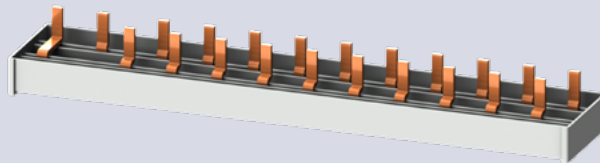
LS 1-pole	5ST3731	5ST3701
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### Rail 3-phase, cuttable

LS 3-pole	5ST3740	5ST3710
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### Compact busbar

Order number	Short description / Compact busbar	Order number	Short description / Compact busbar
5ST3784-0	10 mm <sup>2</sup> , 1 x FI 1P+N + 10x Compact* 12 MW	5ST3774-0	10 mm <sup>2</sup> , 1P+N Compact* 1060 mm 60 MW
5ST3784-OKL (N left)	10 mm <sup>2</sup> , 1 x FI 1P+N + 10x Compact* 12 MW	5ST3776-0	10 mm <sup>2</sup> , 1P+N Compact* with 5SM6 1042 mm 59 MW
5ST3685-0	10 mm <sup>2</sup> , 1 x FI 1P+N + 5x Compact* with 5SM6 12 MW	5ST3778-0	10 mm <sup>2</sup> , 1P+N Compact* + HS 1055 mm 59,5 MW
5ST3674-0	10 mm <sup>2</sup> , 1P+N 12x Compact* 12 MW	5ST3780-0	10 mm <sup>2</sup> , 1P+N Compact* with 5SM6 + HS 1036 mm 58,5 MW
5ST3676-0	10 mm <sup>2</sup> , 1P+N 6x 6x Compact* with 5SM6 12 MW	5ST3773-0	10 mm <sup>2</sup> , 3P+N Compact* 1060 mm 60 MW
5ST3783-0	10 mm <sup>2</sup> , 1 x FI 3P+N + 8x Compact* 12 MW	5ST3775-0	10 mm <sup>2</sup> , 3P+N Compact* with 5SM6 1042 mm 59 MW
5ST3783-OKL (N left)	10 mm <sup>2</sup> , 1 x FI 3P+N + 8x Compact* 12 MW	5ST3777-0	10 mm <sup>2</sup> , 3P+N Compact* + HS 1055 mm 59,5 MW
5ST3673-0	10 mm <sup>2</sup> , 3P+N 12x Compact* 12 MW	5ST3788-0	End cap for listed busbar that can be cut to length
5ST3675-0	10 mm <sup>2</sup> , 3P+N 6x Compact* with 5SM6 12 MW		



\* Compact = 5SV1 / 5SV6 / 5S..0 compact devices  
Note: All 5ST37.. busbars can be cut to length.

For the „KP“ variant, the same standard pin bus bar as for the 5SY, 5SL, 5S, 5Sj, etc. series can be used.