

# REPORT

## 77 Series



**finder**<sup>®</sup>

SWITCH TO THE FUTURE

**NEW**



## Solid State Relays

Range of modular and  
“hockey puck” Industrial  
Solid State Relays (SSR)

Particularly suitable for resistive loads  
and for industrial applications where  
high switching frequencies and high  
inrush currents can be problematic.

### Features

- 1 NO output, from 5 to 50 A
- Versions available for  
“Zero Crossing”  
or “Random” switching
- Versions available with DC output
- High-speed switching and high  
electrical life
- Silent switching without electric  
arcing or “contact” bounce
- 35 mm rail (EN 60715) mount  
or panel mount

Approvals (according to type)





**NEW**

### Type 77.01.9.024.9024

- Maximum peak current (10 ms): 160 A
- DC output
- Modular, 35 mm rail (EN 60715) mount

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
77.01.9.024.9024	Fast turn ON	(4...32)V DC	15 A	(16...32)V DC



**NEW**

### Type 77.01.9.024.9125

- Maximum peak current (10 ms): 60 A
- DC output
- Suitable for railway applications
- Modular, 35 mm rail (EN 60715) mount

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
77.01.9.024.9125	Fast turn ON	(4...32)V DC	7 A	(85...140)V DC



### Type 77.01.x.xxx.805x

- Maximum peak current (10 ms): 300 A
- Modular, 35 mm rail (EN 60715) mount

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
77.01.0.024.8050	Zero Crossing	(16...32)V AC, (9.8...32)V DC	5 A	(48...265)V AC
77.01.0.024.8051	Random	(16...32)V AC, (9.8...32)V DC	5 A	(48...265)V AC
77.01.8.230.8050	Zero Crossing	(90...265)V AC	5 A	(48...265)V AC
77.01.8.230.8051	Random	(90...265)V AC	5 A	(48...265)V AC



### Type 77.11.x.xxx.825x

- Maximum peak current (10 ms): 400 A
- Modular, 35 mm rail (EN 60715) mount

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
77.11.9.024.8250	Zero Crossing	(4...32)V DC	15 A	(19...305)V AC
77.11.9.024.8251	Random	(4...32)V DC	15 A	(19...305)V AC
77.11.8.230.8250	Zero Crossing	(40...305)V AC	15 A	(19...305)V AC
77.11.8.230.8251	Random	(40...305)V AC	15 A	(19...305)V AC



### Type 77.31.x.xxx.80xx

- Maximum peak current (10 ms): 520 A
- Modular, 35 mm rail (EN 60715) mount

Type	Type	Switching characteristic	Input	Output	
"Relay-style" terminal arrangement (input and output terminals on opposite sides)	"Contactor-style" terminal arrangement (input and output terminals on adjacent sides)		Operating range	Rated current	Switching voltage range
77.31.9.024.8050	77.31.9.024.8070	Zero Crossing	(4...32)V DC	30 A	(48...480)V AC
77.31.9.024.8051	77.31.9.024.8071	Random	(4...32)V DC	30 A	(48...480)V AC
77.31.8.230.8050	77.31.8.230.8070	Zero Crossing	(40...280)V AC	30 A	(48...480)V AC
77.31.8.230.8051	77.31.8.230.8071	Random	(40...280)V AC	30 A	(48...480)V AC



### Type 77.x5.x.xxx.8x50

- Output current options: 25 - 40 - 50 A at 230 V AC or 600 V AC
- Mounting to heatsink with screws

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
77.25.9.024.8250	Zero Crossing	(3...32)V DC	25 A	(21.6...280)V AC
77.25.8.230.8250	Zero Crossing	(90...280)V AC	25 A	(21.6...280)V AC
77.45.9.024.8250	Zero Crossing	(3...32)V DC	40 A	(21.6...280)V AC
77.45.8.230.8250	Zero Crossing	(90...280)V AC	40 A	(21.6...280)V AC
77.55.9.024.8250	Zero Crossing	(3...32)V DC	50 A	(21.6...280)V AC
77.55.8.230.8250	Zero Crossing	(90...280)V AC	50 A	(21.6...280)V AC
77.25.9.024.8650	Zero Crossing	(4...32)V DC	25 A	(43.2...660)V AC
77.25.8.230.8650	Zero Crossing	(40...280)V AC	25 A	(43.2...660)V AC
77.45.9.024.8650	Zero Crossing	(4...32)V DC	40 A	(43.2...660)V AC
77.45.8.230.8650	Zero Crossing	(40...280)V AC	40 A	(43.2...660)V AC
77.55.9.024.8650	Zero Crossing	(4...32)V DC	50 A	(43.2...660)V AC
77.55.8.230.8650	Zero Crossing	(40...280)V AC	50 A	(43.2...660)V AC