

77 SERIES  
Solid State Relays



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

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

- 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



**Type 77.01.9.024.9024**

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

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
<b>77.01.9.024.9024</b>	Fast turn ON	(4...36)V DC	15 A	(16...32)V DC



**Type 77.01.9.024.9125**

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

Type	Switching characteristic	Input	Output	
		Operating range	Rated current	Switching voltage range
<b>77.01.9.024.9125</b>	Fast turn ON	(4...36)V DC	7 A	(43...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
<b>77.01.9.024.8050</b>	Zero Crossing	(4...32)V DC	5 A	(48...265)V AC
<b>77.01.9.024.8051</b>	Random	(4...32)V DC	5 A	(48...265)V AC
<b>77.01.8.230.8050</b>	Zero Crossing	(90...265)V AC	5 A	(48...265)V AC
<b>77.01.8.230.8051</b>	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
<b>77.11.9.024.8250</b>	Zero Crossing	(4...32)V DC	15 A	(19...305)V AC
<b>77.11.9.024.8251</b>	Random	(4...32)V DC	15 A	(19...305)V AC
<b>77.11.8.230.8250</b>	Zero Crossing	(40...305)V AC	15 A	(19...305)V AC
<b>77.11.8.230.8251</b>	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
<b>77.31.9.024.8050</b>	<b>77.31.9.024.8070</b>	Zero Crossing	(4...32)V DC	30 A	(48...480)V AC
<b>77.31.9.024.8051</b>	<b>77.31.9.024.8071</b>	Random	(4...32)V DC	30 A	(48...480)V AC
<b>77.31.8.230.8050</b>	<b>77.31.8.230.8070</b>	Zero Crossing	(40...280)V AC	30 A	(48...480)V AC
<b>77.31.8.230.8051</b>	<b>77.31.8.230.8071</b>	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
<b>77.25.9.024.8250</b>	Zero Crossing	(3...32)V DC	25 A	(21.6...280)V AC
<b>77.25.8.230.8250</b>	Zero Crossing	(90...280)V AC	25 A	(21.6...280)V AC
<b>77.45.9.024.8250</b>	Zero Crossing	(3...32)V DC	40 A	(21.6...280)V AC
<b>77.45.8.230.8250</b>	Zero Crossing	(90...280)V AC	40 A	(21.6...280)V AC
<b>77.55.9.024.8250</b>	Zero Crossing	(3...32)V DC	50 A	(21.6...280)V AC
<b>77.55.8.230.8250</b>	Zero Crossing	(90...280)V AC	50 A	(21.6...280)V AC
<b>77.25.9.024.8650</b>	Zero Crossing	(4...32)V DC	25 A	(43.2...660)V AC
<b>77.25.8.230.8650</b>	Zero Crossing	(40...280)V AC	25 A	(43.2...660)V AC
<b>77.45.9.024.8650</b>	Zero Crossing	(4...32)V DC	40 A	(43.2...660)V AC
<b>77.45.8.230.8650</b>	Zero Crossing	(40...280)V AC	40 A	(43.2...660)V AC
<b>77.55.9.024.8650</b>	Zero Crossing	(4...32)V DC	50 A	(43.2...660)V AC
<b>77.55.8.230.8650</b>	Zero Crossing	(40...280)V AC	50 A	(43.2...660)V AC