




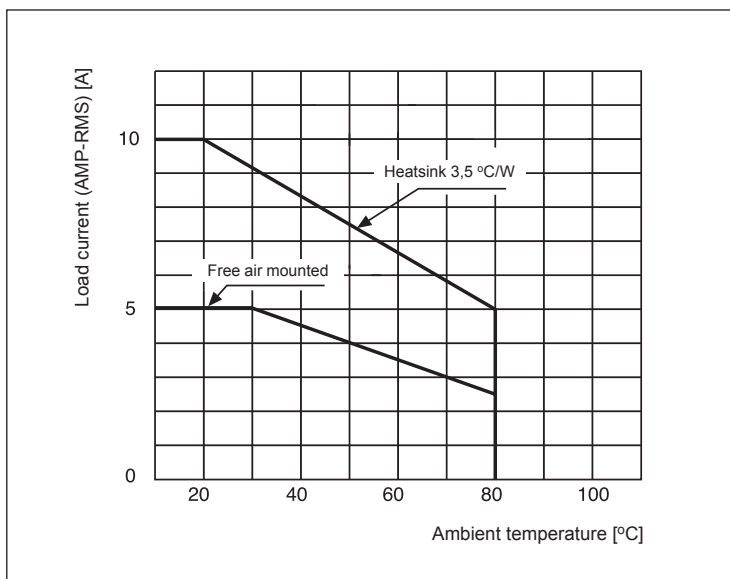
**NEW product**

**AC Load - 10 A / 240 V**

- Optically isolated • Input LED indicator
- High dV/dt and high blocking voltage
- Low input power consumption
- TTL and CMOS compatible
- Zero voltage turn-on, zero current turn-off
- Built-in snubber network
- Recognitions, certificates, directives: RoHS, 

Type of relay	D32-A0-24-100-0	D32-A0-24-100-1	D32-A1-24-100-0	D32-A1-24-100-1
<b>Input circuit</b>				
LED indicate	LED red		-	
Control voltage range	4...32 V DC		3...32 V DC	
Max. control current	15 mA		15 mA	
Min. turn-off voltage	1,5 V DC		1,0 V DC	
Min. input impedance	2,0 kΩ		2,0 kΩ	
<b>Output circuit</b>				
Max. load current	10 A ACrms			
Nominal load voltage	240 V AC			
Load voltage range	24...280 V AC			
Max. non-repetitive peak voltage	600 V AC			
Max. non-repetitive peak current	125 A			
Max. off-state leakage current	1 mA			
Max. on-state voltage drop	1,6 V			
Min. load current	50 mA			
Max. off-state slew rate (dV/dt)	250 V/μs			
Operating frequency range	47...63 Hz			
<b>General data</b>				
Zero-on (Z), random-on (R)	Z	R	Z	R
Max. turn-on time	8,3 ms	100 μs	8,3 ms	100 μs
Max. turn-off time	8,3 ms			
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC			
Insulation dielectric strength	between input and output: 3 500 V AC			
Max. capacitance	between input and output: 15 pF			
Dimensions (L x W x H)	58 x 43 x 27,1 mm			
Weight	91,5 g			
Storage temperature	-40...+100 °C			
Operating temperature	-20...+80 °C			
Heatsink (max. load current)	3,5 °C/W			

**Temperature derating chart - 10 AACrms, 240 V AC**



**Description, dimensions, ordering codes** - see pages 14, 19, 20



**NEW**  
product

**AC Load - 25 A / 240 V**

- **Applications:** lamp and motor load switching (high surge rating)
- **Mounting:** relays RSR50 are on panel mounting, using two M4 screws
- **Accessories:** heatsinks, protective covers

In case of selection accessories to RSR50,  
please contact with Relpol S.A., e-mail: [marketing@relpol.com.pl](mailto:marketing@relpol.com.pl)



Type of relay ①      **D32-A0-24-250-0**    D32-A0-24-250-1    D32-A1-24-250-0    D32-A1-24-250-1

### Input circuit

LED indicate	LED red	–
Control voltage range	4...32 V DC	3...32 V DC
Max. control current	15 mA	15 mA
Min. turn-off voltage	1,5 V DC	1,0 V DC
Min. input impedance	2,0 kΩ	2,0 kΩ

### Output circuit

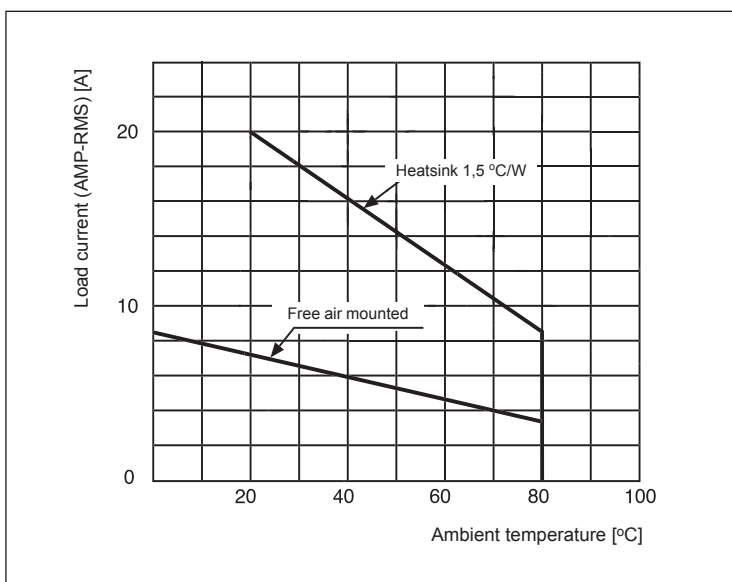
Max. load current	25 A ACrms
Nominal load voltage	240 V AC
Load voltage range	24...280 V AC
Max. non-repetitive peak voltage	600 V AC
Max. non-repetitive peak current	260 A
Max. off-state leakage current	7 mA
Max. on-state voltage drop	1,6 V
Min. load current	100 mA
Max. off-state slew rate (dV/dt)	250 V/μs
Operating frequency range	47...63 Hz

### General data

Zero-on (Z), random-on (R)	Z	R	Z	R
Max. turn-on time	8,3 ms	100 μs	8,3 ms	100 μs
Max. turn-off time	8,3 ms			
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC			
Insulation dielectric strength	between input and output: 3 500 V AC			
Max. capacitance	between input and output: 15 pF			
Dimensions (L x W x H)	58 x 43 x 27,1 mm			
Weight	91,5 g			
Storage temperature	-40...+100 °C			
Operating temperature	-20...+80 °C			
Heatsink (max. load current)	1,5 °C/W			

① Standard versions of relays are marked with bold type.

### Temperature derating chart - 25 AACrms, 240 V AC



**Description, dimensions, ordering codes** - see pages 13, 19, 20

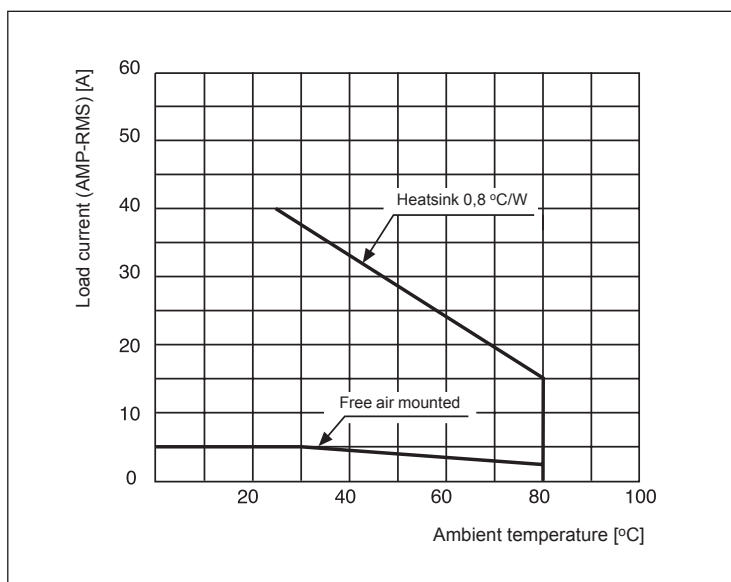


**AC Load - 40 A / 240 V**

Type of relay ❶	<b>D32-A0-24-400-0</b>	D32-A0-24-400-1	D32-A1-24-400-0	D32-A1-24-400-1
<b>Input circuit</b>				
LED indicate	LED red			–
Control voltage range	4...32 V DC			3...32 V DC
Max. control current	15 mA			15 mA
Min. turn-off voltage	1,5 V DC			1,0 V DC
Min. input impedance	2,0 kΩ			2,0 kΩ
<b>Output circuit</b>				
Max. load current		40 A ACrms		
Nominal load voltage		240 V AC		
Load voltage range		24...280 V AC		
Max. non-repetitive peak voltage		600 V AC		
Max. non-repetitive peak current		315 A		
Max. off-state leakage current		7 mA		
Max. on-state voltage drop		1,8 V		
Min. load current		100 mA		
Max. off-state slew rate (dV/dt)		250 V/μs		
Operating frequency range		47...63 Hz		
<b>General data</b>				
Zero-on (Z), random-on (R)	Z	R	Z	R
Max. turn-on time	8,3 ms	100 μs	8,3 ms	100 μs
Max. turn-off time			8,3 ms	
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC			
Insulation dielectric strength	between input and output: 3 500 V AC			
Max. capacitance	between input and output: 15 pF			
Dimensions (L x W x H)	58 x 43 x 27,1 mm			
Weight	91,5 g			
Storage temperature	-40...+100 °C			
Operating temperature	-20...+75 °C			
Heatsink (max. load current)	0,8 °C/W			

❶ Standard versions of relays are marked with bold type.

**Temperature derating chart - 40 A ACrms, 240 V AC**



**Description, dimensions, ordering codes - see pages 13, 14, 19, 20**



AC Load - 15 A / 480 V

Type of relay ①                      D32-A0-48-150-0    D32-A0-48-150-1    D32-A1-48-150-0    D32-A1-48-150-1

### Input circuit

LED indicate	LED red	–
Control voltage range	4...32 V DC	3...32 V DC
Max. control current	120 mA	120 mA
Min. turn-off voltage	1,5 V DC	1,0 V DC
Min. input impedance	270 Ω	270 Ω

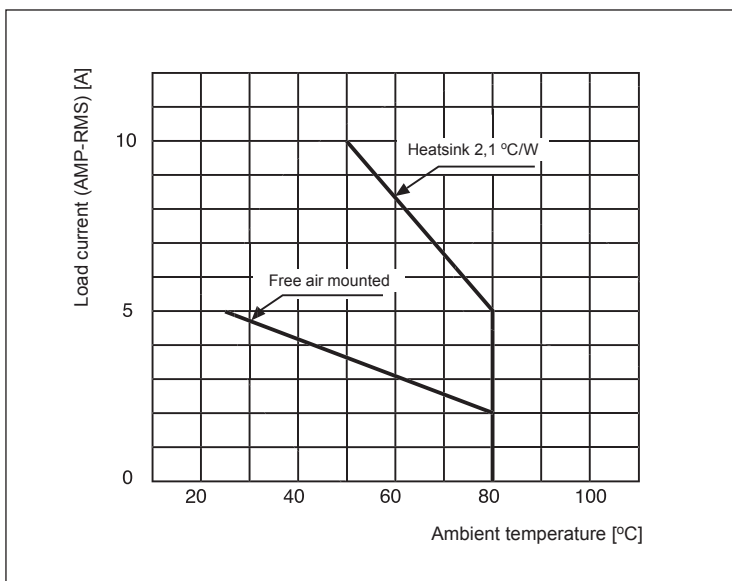
### Output circuit

Max. load current	15 A ACrms
Nominal load voltage	480 V AC
Load voltage range	48...480 V AC
Max. non-repetitive peak voltage	800 V AC
Max. non-repetitive peak current	200 A
Max. off-state leakage current	2 mA
Max. on-state voltage drop	1,6 V
Min. load current	70 mA
Max. off-state slew rate (dV/dt)	700 V/μs
Operating frequency range	47...63 Hz

### General data

Zero-on (Z), random-on (R)	Z	R	Z	R
Max. turn-on time	8,3 ms	100 μs	8,3 ms	100 μs
Max. turn-off time	8,3 ms			
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC			
Insulation dielectric strength	between input and output: 3 500 V AC			
Max. capacitance	between input and output: 15 pF			
Dimensions (L x W x H)	58 x 43 x 27,1 mm			
Weight	91,5 g			
Storage temperature	-40...+100 °C			
Operating temperature	-20...+75 °C			
Heatsink (max. load current)	2,1 °C/W			

### Temperature derating chart - 15 AACrms, 480 V AC



### Description, dimensions, ordering codes - see pages 13, 14, 19, 20

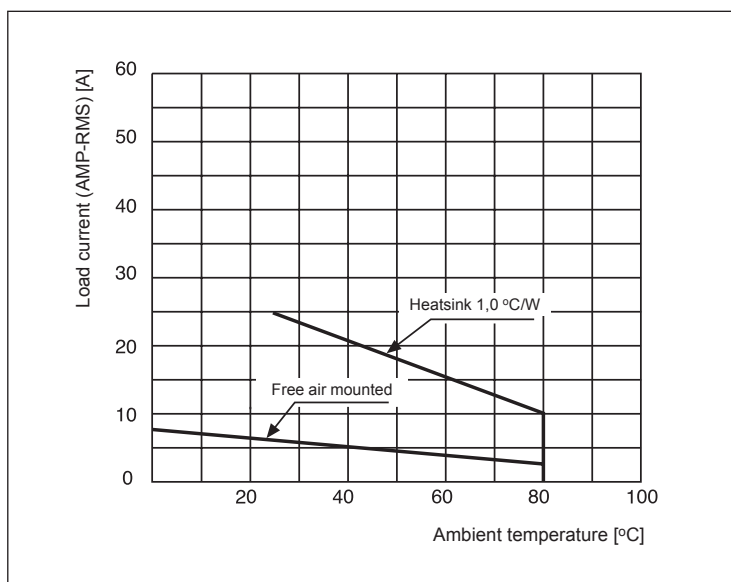


**AC Load - 25 A / 480 V**

Type of relay ❶	<b>D32-A0-48-250-0</b>	D32-A0-48-250-1	D32-A1-48-250-0	D32-A1-48-250-1
<b>Input circuit</b>				
LED indicate	LED red			–
Control voltage range	4...32 V DC			3...32 V DC
Max. control current	120 mA			120 mA
Min. turn-off voltage	1,5 V DC			1,0 V DC
Min. input impedance	270 Ω			270 Ω
<b>Output circuit</b>				
Max. load current		25 A ACrms		
Nominal load voltage		480 V AC		
Load voltage range		48...480 V AC		
Max. non-repetitive peak voltage		800 V AC		
Max. non-repetitive peak current		250 A		
Max. off-state leakage current		1 mA		
Max. on-state voltage drop		1,6 V		
Min. load current		120 mA		
Max. off-state slew rate (dV/dt)		700 V/μs		
Operating frequency range		47...63 Hz		
<b>General data</b>				
Zero-on (Z), random-on (R)	Z	R	Z	R
Max. turn-on time	8,3 ms	100 μs	8,3 ms	100 μs
Max. turn-off time			8,3 ms	
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC			
Insulation dielectric strength	between input and output: 3 500 V AC			
Max. capacitance	between input and output: 15 pF			
Dimensions (L x W x H)	58 x 43 x 27,1 mm			
Weight	91,5 g			
Storage temperature	-40...+100 °C			
Operating temperature	-20...+75 °C			
Heatsink (max. load current)	1,0 °C/W			

❶ Standard versions of relays are marked with bold type.

**Temperature derating chart - 25 A ACrms, 480 V AC**



**Description, dimensions, ordering codes - see pages 13, 14, 19, 20**



**AC Load - 40 A / 480 V**

Type of relay ①      **D32-A0-48-400-0**    D32-A0-48-400-1    D32-A1-48-400-0    D32-A1-48-400-1

### Input circuit

LED indicate	LED red	–
Control voltage range	4...32 V DC	3...32 V DC
Max. control current	120 mA	120 mA
Min. turn-off voltage	1,5 V DC	1,0 V DC
Min. input impedance	270 Ω	270 Ω

### Output circuit

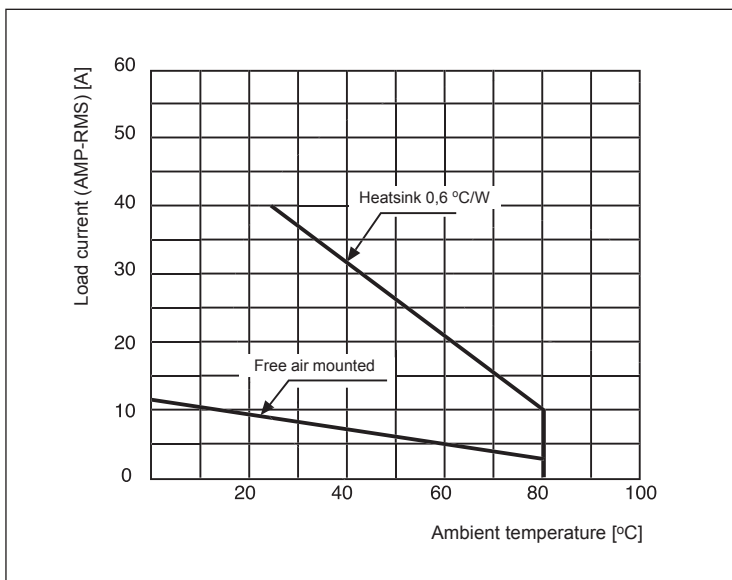
Max. load current	40 A ACrms
Nominal load voltage	480 V AC
Load voltage range	48...480 V AC
Max. non-repetitive peak voltage	800 V AC
Max. non-repetitive peak current	400 A
Max. off-state leakage current	1 mA
Max. on-state voltage drop	1,8 V
Min. load current	120 mA
Max. off-state slew rate (dV/dt)	900 V/μs
Operating frequency range	47...63 Hz

### General data

Zero-on (Z), random-on (R)	Z	R	Z	R
Max. turn-on time	8,3 ms	100 μs	8,3 ms	100 μs
Max. turn-off time	8,3 ms			
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC			
Insulation dielectric strength	between input and output: 3 500 V AC			
Max. capacitance	between input and output: 15 pF			
Dimensions (L x W x H)	58 x 43 x 27,1 mm			
Weight	91,5 g			
Storage temperature	-40...+100 °C			
Operating temperature	-20...+75 °C			
Heatsink (max. load current)	0,6 °C/W			

① Standard versions of relays are marked with bold type.

### Temperature derating chart - 40 AACrms, 480 V AC



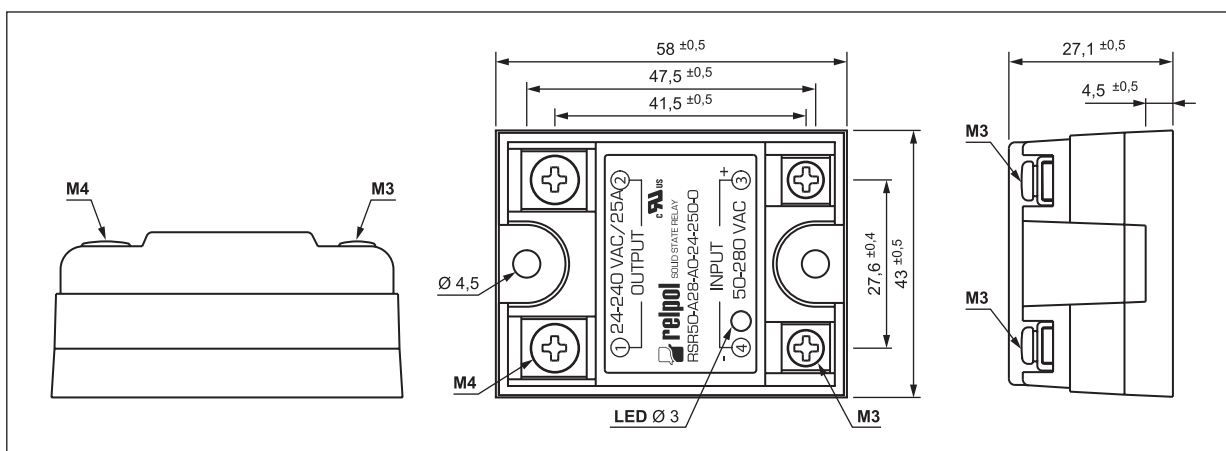
### Description, dimensions, ordering codes - see pages 13, 14, 19, 20



AC Load - 10 A / 240 V

Type of relay ❶	A28-A0-24-100-0	A28-A1-24-100-0
<b>Input circuit</b>		
LED indicate	LED red	-
Control voltage range	50...280 V AC	50...280 V AC
Max. control current	15 mA	15 mA
Min. turn-off voltage	40 V AC	35 V AC
Min. input impedance	106 kΩ	106 kΩ
<b>Output circuit</b>		
Max. load current	10 A ACrms	
Nominal load voltage	240 V AC	
Load voltage range	24...280 V AC	
Max. non-repetitive peak voltage	600 V AC	
Max. non-repetitive peak current	125 A	
Max. off-state leakage current	1 mA	
Max. on-state voltage drop	1,6 V	
Min. load current	50 mA	
Max. off-state slew rate (dV/dt)	250 V/μs	
Operating frequency range	47...63 Hz	
<b>General data</b>		
Zero-on (Z), random-on (R)	Z	Z
Max. turn-on time	10 ms	10 ms
Max. turn-off time	20 ms	
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC	
Insulation dielectric strength	between input and output: 3 500 V AC	
Max. capacitance	between input and output: 15 pF	
Dimensions (L x W x H)	58 x 43 x 27,1 mm	
Weight	91,5 g	
Storage temperature	-40...+100 °C	
Operating temperature	-20...+80 °C	
Heatsink (max. load current)	3,5 °C/W	

## Dimensions



Description, ordering codes - see pages 13, 14, 20

Temperature derating chart - 10 AACrms, 240 V AC - see page 13

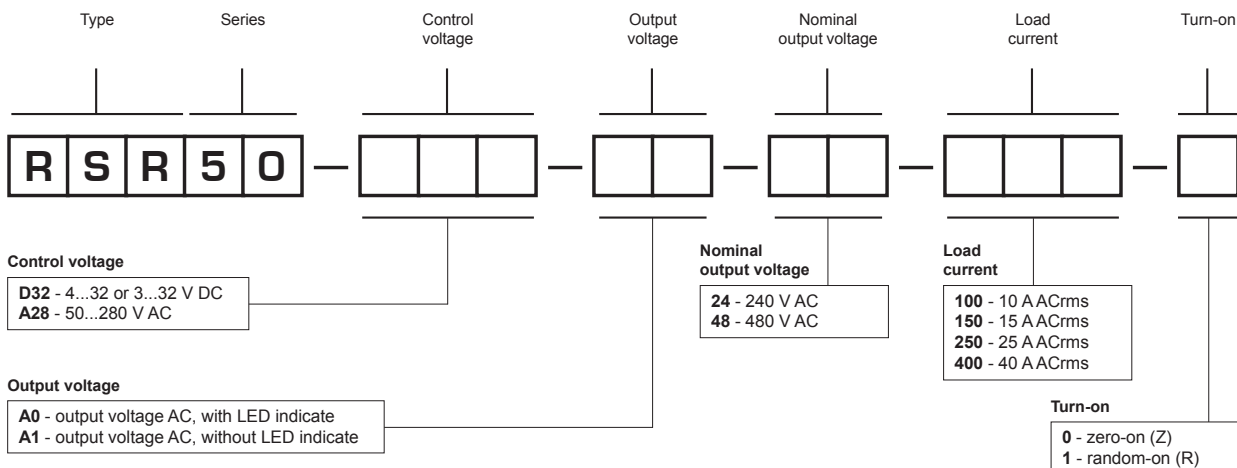


**AC Load - 25 A / 240 V**

Type of relay ①	<b>A28-A0-24-250-0</b>	A28-A1-24-250-0
<b>Input circuit</b>		
LED indicate	LED red	–
Control voltage range	50...280 V AC	50...280 V AC
Max. control current	15 mA	15 mA
Min. turn-off voltage	40 V AC	35 V AC
Min. input impedance	106 kΩ	106 kΩ
<b>Output circuit</b>		
Max. load current	25 A ACrms	
Nominal load voltage	240 V AC	
Load voltage range	24...280 V AC	
Max. non-repetitive peak voltage	600 V AC	
Max. non-repetitive peak current	260 A	
Max. off-state leakage current	7 mA	
Max. on-state voltage drop	1,6 V	
Min. load current	100 mA	
Max. off-state slew rate (dV/dt)	250 V/μs	
Operating frequency range	47...63 Hz	
<b>General data</b>		
Zero-on (Z), random-on (R)	Z	Z
Max. turn-on time	10 ms	10 ms
Max. turn-off time	20 ms	
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC	
Insulation dielectric strength	between input and output: 3 500 V AC	
Max. capacitance	between input and output: 15 pF	
Dimensions (L x W x H)	58 x 43 x 27,1 mm	
Weight	91,5 g	
Storage temperature	-40...+100 °C	
Operating temperature	-20...+80 °C	
Heatsink (max. load current)	1,5 °C/W	

① Standard versions of relays are marked with bold type.

## Ordering codes



**Description, dimensions** - see pages 13, 14, 19

**Temperature derating chart** - 25 AACrms, 240 V AC - see page 14





**AC Load - 40 A / 240 V**

Type of relay ❶	<b>A28-A0-24-400-0</b>	A28-A1-24-400-0
<b>Input circuit</b>		
LED indicate	LED red	–
Control voltage range	50...280 V AC	50...280 V AC
Max. control current	15 mA	15 mA
Min. turn-off voltage	40 V AC	35 V AC
Min. input impedance	106 kΩ	106 kΩ
<b>Output circuit</b>		
Max. load current	40 A ACrms	
Nominal load voltage	240 V AC	
Load voltage range	24...280 V AC	
Max. non-repetitive peak voltage	600 V AC	
Max. non-repetitive peak current	315 A	
Max. off-state leakage current	7 mA	
Max. on-state voltage drop	1,8 V	
Min. load current	100 mA	
Max. off-state slew rate (dV/dt)	250 V/μs	
Operating frequency range	47...63 Hz	
<b>General data</b>		
Zero-on (Z), random-on (R)	Z	Z
Max. turn-on time	10 ms	10 ms
Max. turn-off time	20 ms	
Min. insulation resistance	between input and output, input / output and cover: 1 000 MΩ 500 V DC	
Insulation dielectric strength	between input and output: 3 500 V AC	
Max. capacitance	between input and output: 15 pF	
Dimensions (L x W x H)	58 x 43 x 27,1 mm	
Weight	91,5 g	
Storage temperature	-40...+100 °C	
Operating temperature	-20...+75 °C	
Heatsink (max. load current)	0,8 °C/W	

❶ Standard versions of relays are marked with bold type.

**Description, dimensions, ordering codes** - see pages 13, 14, 19, 20

**Temperature derating chart** - 40 A ACrms, 240 V AC - see page 15