

# The essentials

- Ready to use
- Output voltage up to 660 V
- Improved power components to handle industrial applications
- Regulated input for constant current consumption
- Control status LED for reinforced versions
- UL/cUI 508, TUV approved for EN60950 and EN60204 and CE conformed



## Specifications

Type	Version	Current max @ 25°C (A)	Current max @ 40°C (A)	Output voltage	Control voltage	LED display	Location	Code
Standard (Triac)	1	8	7	24 → 280 VAC	3 → 32 VDC	-	A	84 136 150
	1	11	10	24 → 280 VAC	3 → 32 VDC	-	B	84 136 151
	1	16	14	24 → 280 VAC	3 → 32 VDC	-	C	84 136 152
Reinforced (Thyristor)	2	13	10	24 → 280 VAC	4 → 32 VDC	with	A	84 136 153
	2	20	17	24 → 280 VAC	4 → 32 VDC	with	B	84 136 154
	2	25	25	24 → 280 VAC	4 → 32 VDC	with	C	84 136 155
	3	13	11	24 → 280 VAC	4 → 32 VDC	with	A	84 136 156
	3	22	18	24 → 280 VAC	4 → 32 VDC	with	B	84 136 157
	3	40	34	24 → 280 VAC	4 → 32 VDC	with	C	84 136 158
	4	13	11	48 → 660 VAC	4 → 32 VDC	with	A	84 136 159
	4	22	18	48 → 660 VAC	4 → 32 VDC	with	B	84 136 160
	4	40	34	48 → 660 VAC	4 → 32 VDC	with	C	84 136 161

## Output specifications

Version	1	2	3	4
Non-rep. peak voltage (Vp)	600	600	600	1200
Max. non-rep. 1 s surge (T=25 °C) (A)	250	150	235	235
Max. non-rep. 1-cycle surge (T=25 °C) (A)	100	500	780	780
Maximum off-state leakage at Vmax and T =25°C mA (rms)	0.15	2.5-4.25	2.5-4.25	2.5-4.25
Minimum current (mA)	100	100	100	100
I <sup>2</sup> t (50-60 Hz) (A <sup>2</sup> s)	288-240	1250-1041	3042-2535	3042-2535
Voltage drop at I <sub>max</sub> (T=25°C) (V)	1.65	1.4	1.35	1.35
Static dv/dt (V/μs)	200	500	500	500
Thermal resistance junction to casing (°C/W)	2	0.4	0.25	0.25

## Input specifications

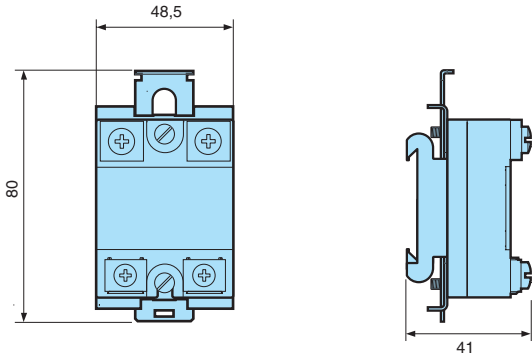
Turn-off voltage (V)	1
Max. current (mA)	14
Response time (close) (ms)	8.33 (60 Hz) - 10 (50Hz)
Response time on closing (ms)	8.33 (60 Hz) - 10 (50Hz)

## General characteristics

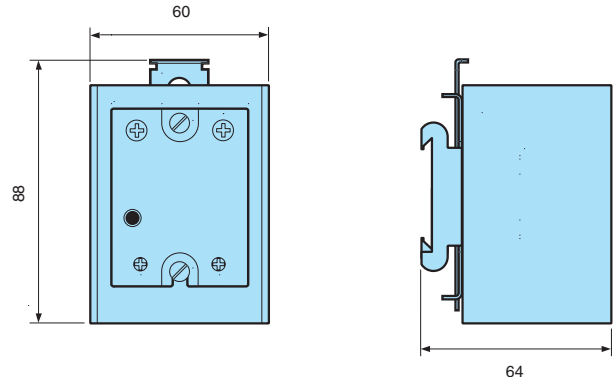
Operating temperature (°C)	-20 → +80
Storage temperature (°C)	-40 → +100
Input to output insulation voltage V (rms)	4000
Dielectric strength V (rms)	2500
Input/output capacitance (pF)	8
Frequency (Hz)	47 → 63
Material housing	Polycarbonate UL-94VO
Material baseplate	Zamac

## Dimensions

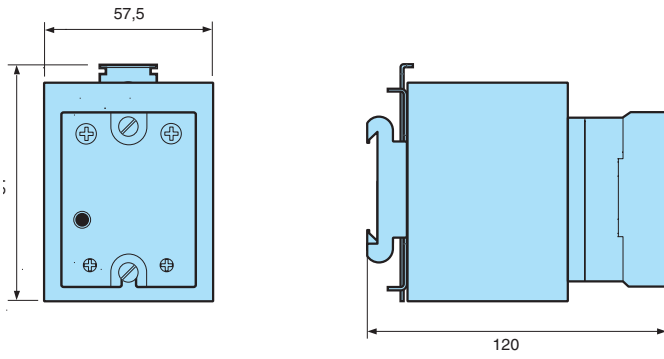
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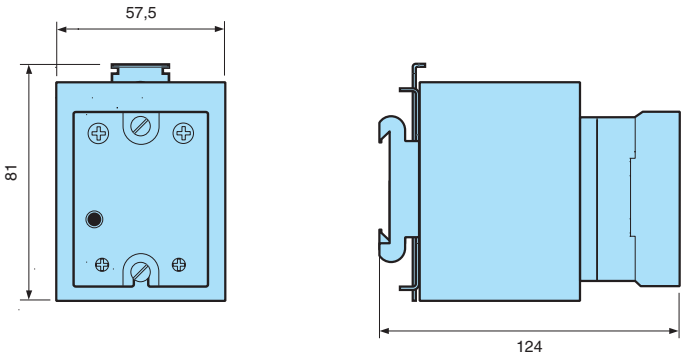
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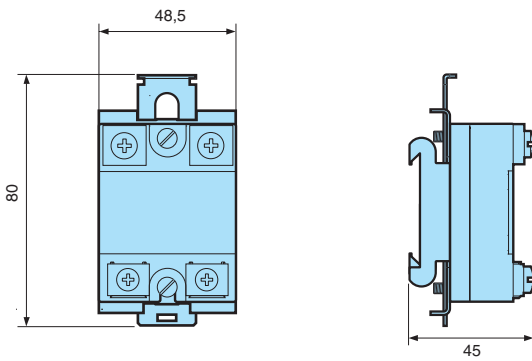
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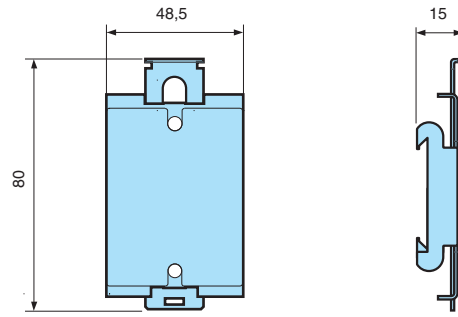
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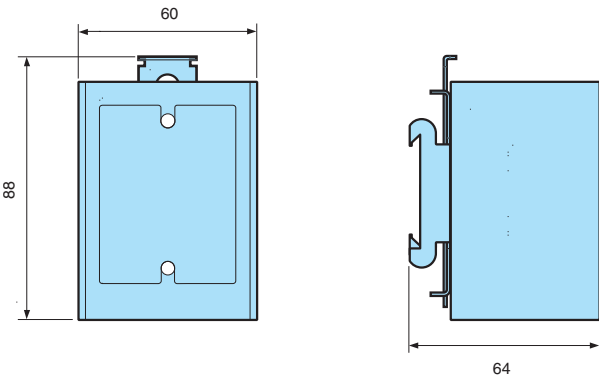
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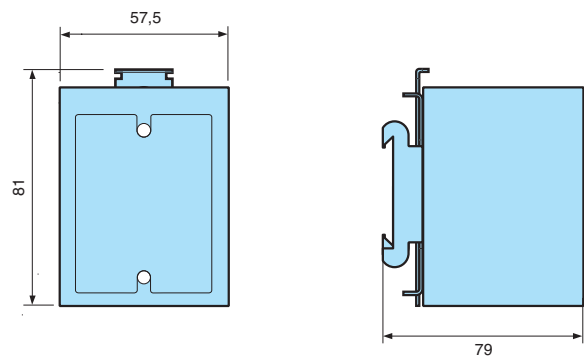
Heat sink 84 136 123



Heat sink 84 136 124

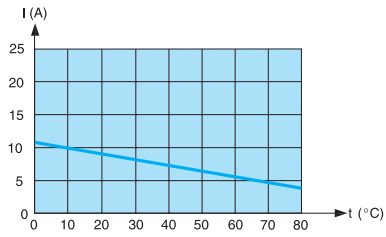


Heat sink 84 136 125

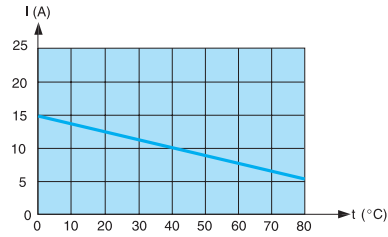


## Curves

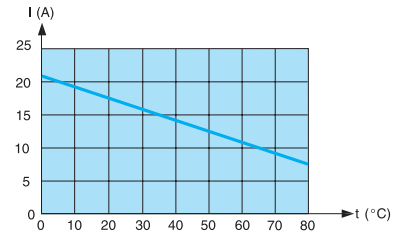
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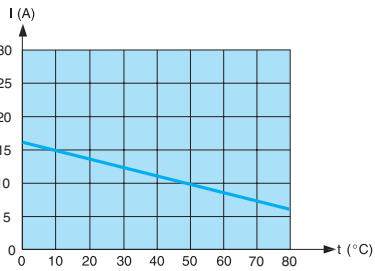
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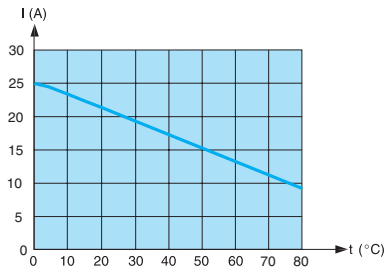
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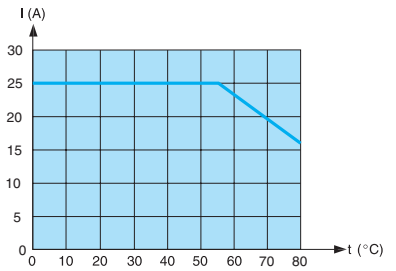
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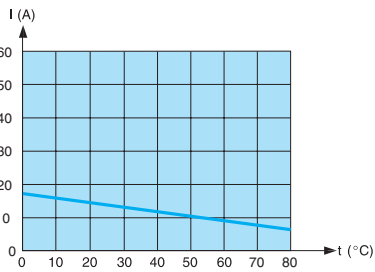
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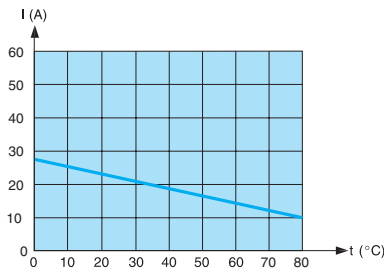
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84 136 156 - 84 136 159



84 136 157 - 84 136 160



84 136 158 - 84 136 161

