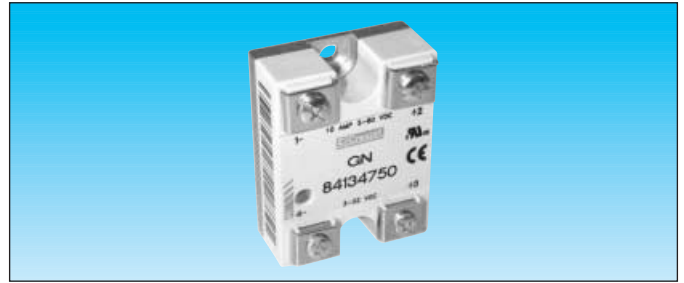


GN DC solid state relays

- FET transistor versions 10, 15 and 30 A
- Bipolar transistor version 10 A
- Control voltage : 3 to 32 V \equiv
- Optimum thermal response
- Available with or without protective cover
- UL/cUL, TUV approval and CE marking



Output specifications

	FET 10 A	FET 15 A	FET 30 A	Bipolar 10 A
Voltage range	1 - 200	1 - 100	1 - 50	3 - 60
Rated current (A)	10	15	30	10
Minimum current (mA)	1	1	1	10
Max. non-rep. surge for 10 μ s (T = 25° C) (A)	90	120	160	
Max. non-rep. surge for 1 s (T = 25° C) (A)				90
Thermal resistance Junction/to casing (°C/W)	2.25	2.25	2.45	3.75

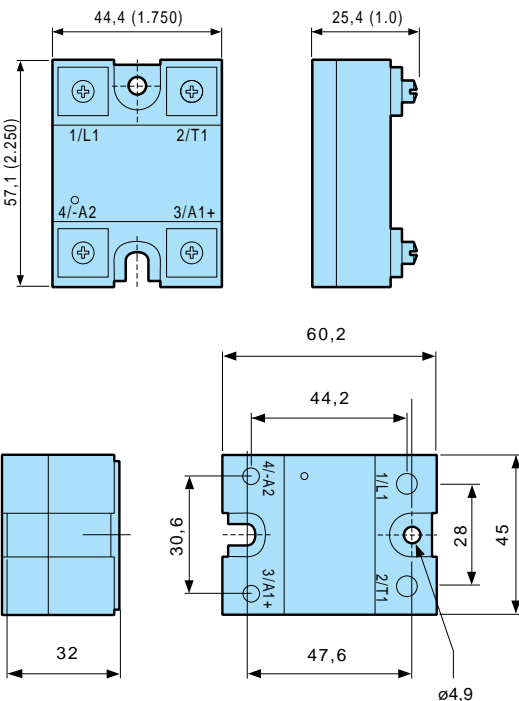
Input specifications

	FET version	Bipolar version
Range	3-32 V \equiv	3-32 V \equiv
Maximum current (V)	1	1
Max. regulated current (mA)	20	14.5
Turn-on time (μ s)	2	100
Turn-off time (μ s)	100	200

Characteristics

	FET	Bipolar
Operating temperature (° C)	-20 to +80	-20 to +80
Storage temperature (° C)	-55 to +125	-40 to +100
I/O insulation voltage (Vrms)	4000	4000
Breakdown voltage (Vrms)	2500	2500
Input/output capacitance (pF)	8	8
Material	Casing Baseplate	UL 94 V Zamak
Weight (g)	With cover Without cover	114 97

Dimensions



Dimensions

Rating	Output voltage	Input voltage	With cover	Without cover
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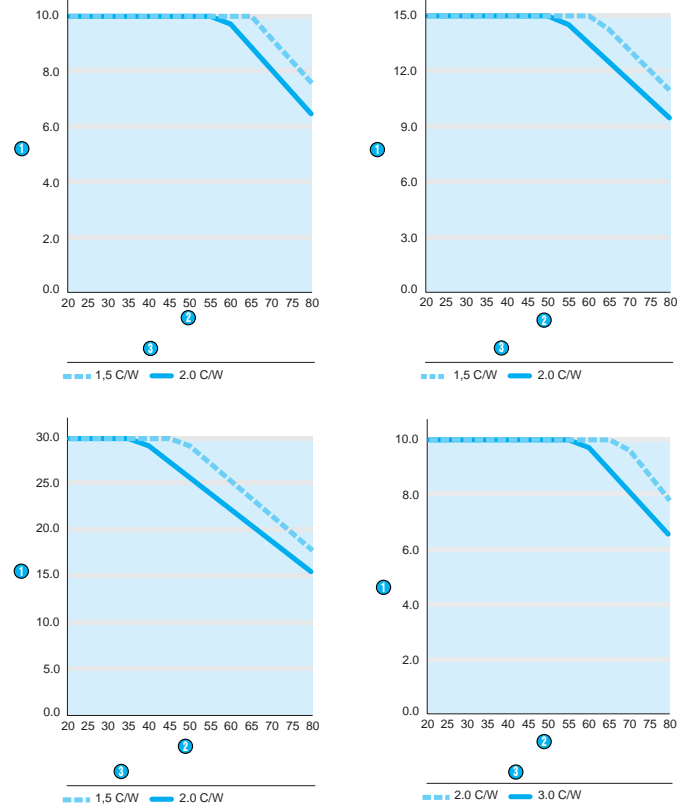
FET version

10 A	1- 200 V \equiv	4-32 V \equiv	84 137 850	84 134 850
15 A	1- 100 V \equiv	4-32 V \equiv	84 137 860	84 134 860
30 A	1- 50 V \equiv	4-32 V \equiv	84 137 870	84 134 870

Bipolar version

10 A	3-60 V \equiv	4-32 V \equiv	84 137 750	84 134 750
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Curves for temperature-dependent derating



- ① Load current (A)
- ② Ambient temperature (°C)
- ③ Heatsink

To order, specify:

Standard products

1 Part number
Example : GN DC solid state
relay - 84 137 850