DP6-1T
industrial relays



- Relays **DP6-1T** - with triac output 1.2 A / 400 V AC
- 35 mm DIN rail mount, EN 50022,
  wires connection with screw terminals - 0.2...4 mm^2
- Adapted for the co-operation with interconnection strip type **DG20**
- Equipped in LED green
- Recognitions, certificates, directives: CE



Triac - output

Max. switching voltage	AC	400 V
Min. switching voltage	AC	20 V
Rated load	AC1	1.2 A / 400 V AC
Min. switching current		10 mA
Max. non-repeat surge current		30 A t=20 ms
Rated current		1.2 A
I^2t for fusing		5.1 A^2s t=1-10 ms
dI/dt		50 A/us
dV/dt		40 V/us
R_{th} junction to ambient		70 °C/W

Input control circuit

Rated voltage	DC	5...32 V
	AC/DC	24-230 V AC: 50/60 Hz
Turn-off voltage		AC: ≥ 0.2 U_n DC: ≥ 0.1 U_n
Rated power consumption		0.3 W 5...32 V DC at 24 V
		0.3 VA / 0,3 W 24 V AC/DC
		1.6 VA / 1,6 W 230 V AC/DC

Insulation

Insulation category	C250
Insulation rated voltage	600 V AC
Rated insulation voltage I/O	4 000 V AC
Insulation pollution degree	2

General data

Operating time	10 ms max. (zero turn-on)
Release time	10 ms max.
Dimensions (L x W x H)	80 x 6.2 x 93.8 mm
Weight	40 g
Ambient temperature	
• storage	-40...+70 °C
• operating	-40...+55 °C
Protection category	IP 20
Environmental protection	RTI IEC 61810-7

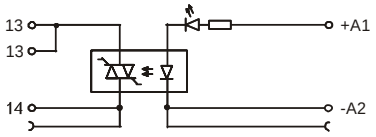
Input data

Table 1

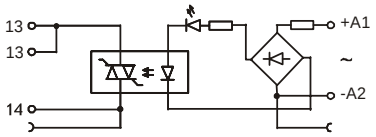
Relay code	Nominal input voltage U_n	Power of input - control circuit
DP6-1T-5...32VDC	5...32 V DC	0.3 W at 24 V
DP6-1T-24VAC/DC	24 V AC/DC	0.3 VA / 0.3 W
DP6-1T-230VAC/DC	230 V AC/DC	1.6 VA / 1.6 W

Connection diagrams

PI6-1T-5...32VDC



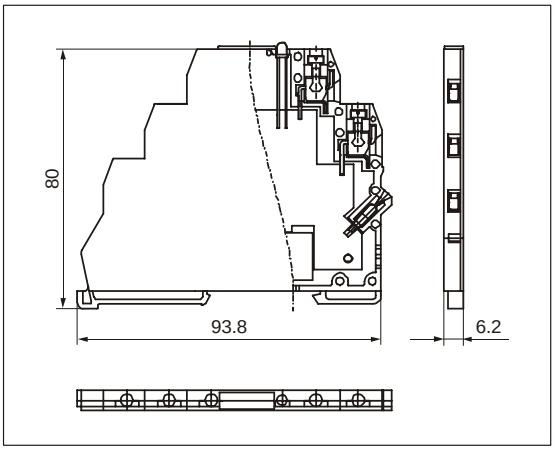
DP6-1T-24VAC/DC
DP6-1T-230VAC/DC



Ordering codes

Ordering codes **DP6-1T** are specified in Table 1, "Relay code" column.

Dimensions



Mounting

Relays **DP6-1T** are designed for 35 mm DIN rail mount, EN 50022.
DP6-1T are adapted for the co-operation with interconnection strip type **DG20**. Interconnection strip **DG20** allows to common bridging outputs or inputs. Colours of strips: **DG20-1** red, **DG20-2** black, **DG20-3** blue.

