

Relays<p>(Micro relays, Mini relays and Power relays)

Power relays

Make relay 12 V type 2

0 332 002 150

Characteristic quantities					
Rated voltage (switching and excitation circuit)	12 V (type 1)	24 V (type 1)	12 V (type 2)	24 V (type 2)	12 V (type 3)
Operating voltage	8 ... 14,5 V	16 ... 27 V	15 V	30 V	8 ... 16 V
Ambient temperature	- 40 ...+ 100 °C	- 40 ...+ 100 °C	- 40 ...+ 65 °C ¹⁾	- 40 ...+ 65 °C ¹⁾	- 40 ...+ 100 °C
Voltage drop at measurement current in as-new condition	≤ 200 mV / 50 A	≤ 150 mV / 20 A	≤ 100 mV / 75 A ²⁾	≤ 100 mV / 75 A	≤ 100 mV / 100 A
Voltage drop after specified switching operations	≤ 225 mV / 50 A		≤ 200 mV / 75 A ³⁾	≤ 200 mV / 75 A	
Housing/terminal degree of protection (refer to Page 5)	IP 20 /IP 20 ⁴⁾	IP 20 /IP 20 ⁴⁾	IP 54 /IP 00	IP 54 /IP 00	IP 67 /IP 20

¹⁾ +100 °C for short-term operation with 25% operating time relative to 2 minutes.

²⁾ ≤ 50 mV/75 A for double contact relay 0 332 002 150.

³⁾ ≤ 100 mV/75 A for double contact relay 0 332 002 150.

⁴⁾ Housing protection type IP 5K4 when using a receptacle housing with installation position at lower connector.

Technical data			
Resistive load	Switching current/no. of operations	A/Thousand	75 /≥ 125
Resistive load	Short-time load ≤ 1 s	A	400
Response/release voltage		V/V	≤ 8,0 / 1,5 ... 4,0
Response/release time		ms/ms	≤ 10 /≤ 15
Contact type			twin
Bracket			fixed
Overall resistance		Ω	46 ± 5

Robert Bosch GmbH
Automotive Aftermarket
Postfach 410960
76225 Karlsruhe
Germany

www.bosch-relays.com

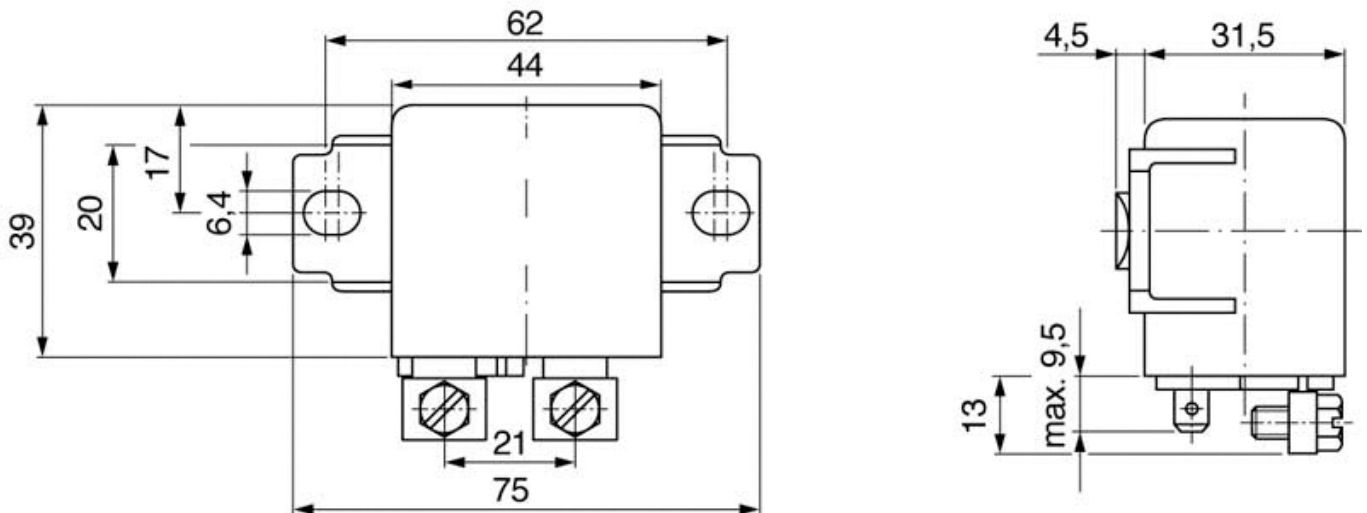


BOSCH
Invented for life


BOSCH

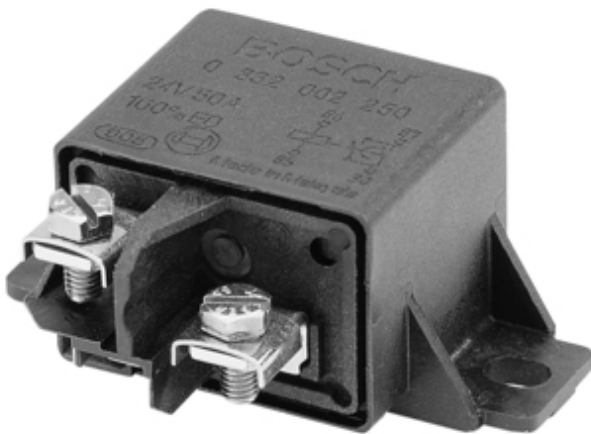
Invented for life

Dimensional drawing

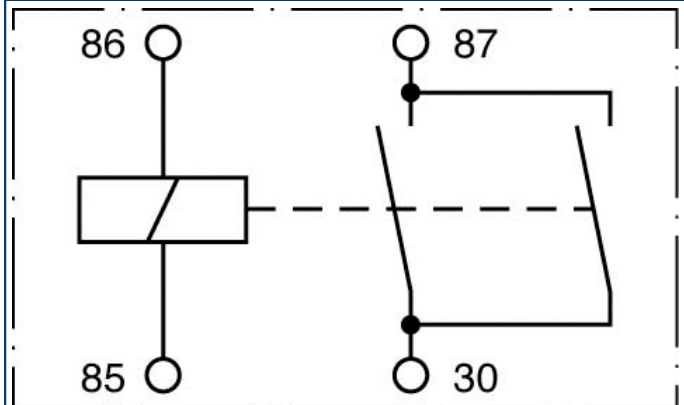


Accessories: Double receptacle housing for excitation side (terminals 85 and 86). Order using Tyco (AMP) number 180 907 from: Tyco (AMP) Deutschland GmbH, Amperestraße 7-11, D-63225 Langen, Tel. 0 61 03/70 90.

Figure



Connection and circuit diagram



Polarity:

Terminal 86 and terminal 30 to +