

HDZ9 Miniature Relays

Standard: IEC60947-4



Overview

1 Laser Printing

Clear and durable



2 LED Indicator

Visible ON/OFF indication



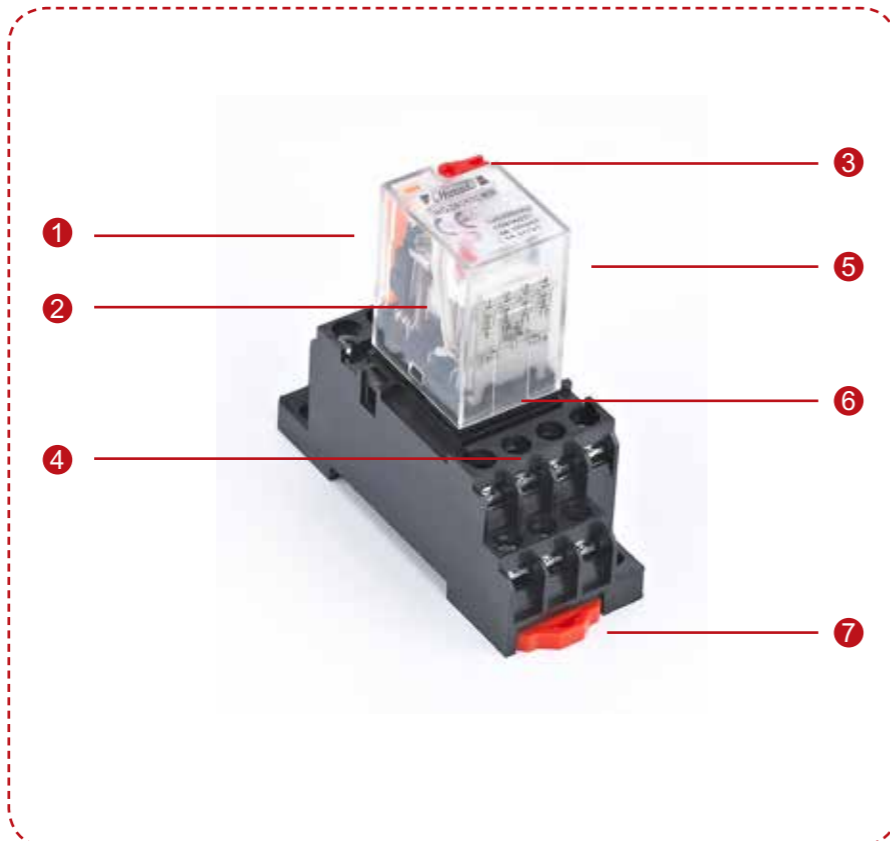
3 Color Button

Differ DC or AC coil



4 Transparence Cover Design

Anti-touch base



5 Mechanical Indicator

Double ON/OFF indication



6 Rotary Test Bottom

Manu test ON/OFF



7 Multi Selection of Contact Combination

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Range Presentation

HDZ9 is Himel range of Miniature Relays designed to implement control signal conversion to low power output. They can be widely used for industrial control applications

Features

- ◆ Rated current: 3A, 5A, 10A
- ◆ Pole: 2-pole, 3-pole, 4-pole
- ◆ Maximum rated operating Voltage: 690V
- ◆ Rated operating frequency: 50/60Hz
- ◆ Coil specification: DC: 6V~220V; AC: 6V~380V
- ◆ New specification: Rotary push button

Online Content



HDZ9

Selection Code

Range name	Current	Poles	AC/DC	LED	Coil voltage	Type
HDZ9	05	2	D	L	M	R
HDZ9	03: 3A 05: 5A 10: 10A	2: 2P 3: 3P 4: 4P	Default: AC D: DC	Default: None L: LED	T: 6V S: 127V J: 12V M: 220V B: 24V N: 230V C: 36V U: 240V E: 48V Q: 380V F: 110V	Default: Classic R: Rotary button

Technical Parameters

Miniature relays	HDZ9						
Type	03	05			10		
	4P	2P	3P	4P	2P	3P	4P
Max load current	3A	5A			10A		
Max operation voltage	250VAC 28VDC						
Contact resistance	≤100mΩ						
Contact material	Silver Alloy						
Electrical endurance	≥100000 times (1800 times/h)						
Mechanical endurance	≥10000000 times (18000 times/h)						
Actuation voltage (23°C)	DC: ≤75% (rated voltage), AC: ≤80% (rated voltage)						
Release voltage (23°C)	DC: ≥10% (rated voltage), AC: ≥30% (rated voltage)						
Maximum voltage (23°C)	110% (rated voltage)						
Insulation resistance	≥100MΩ (500VDC)						
Coil power	DC: 0.9 W AC:1.2VA						
Actuation time (rated voltage)	≤15ms						
Release time (rated voltage)	≤10ms						
Withstand voltage	polar- contacts	1500VAC/1min (residual current is 1mA)					
	bipolar - contacts	1200VAC/1min (residual current is 1mA)					
	coil -contacts	1500VAC/1min (residual current is 1mA)					
Ambient temperature	-25°C ~+55°C						
Ambient humidity	35%~85%RH						
Atmospheric pressure	86~106KPa						
Installation method	Plug-in						
Weight	30g						
Coil voltage	DC: 6V~220V; AC: 6V~380V.						
Certificate	CB, CE, SEMKO						

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Order Information

Classic Type

Rated Current	Poles	Control Voltage	LED	Reference	Base		
					economical	Basic	European
5A	2	AC	L	HDZ9052L*	HPYF08A	HPYF08A15	HPYF08AZ
		AC	None	HDZ9052*	HPYF08A	HPYF08A15	HPYF08AZ
		DC	L	HDZ9052DL*	HPYF08A	HPYF08A15	HPYF08AZ
		DC	None	HDZ9052D*	HPYF08A	HPYF08A15	HPYF08AZ
	3	AC	L	HDZ9053L*	HPYF11A		
		AC	None	HDZ9053*	HPYF11A		
		DC	L	HDZ9053DL*	HPYF11A		
		DC	None	HDZ9053D*	HPYF11A		
	4	AC	L	HDZ9054L*	HPYF14A	HPYF14A15	HPYF14AZ
		AC	None	HDZ9054*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	L	HDZ9054DL*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	None	HDZ9054D*	HPYF14A	HPYF14A15	HPYF14AZ
3A	4	AC	L	HDZ9034L*	HPYF14A	HPYF14A15	HPYF14AZ
		AC	None	HDZ9034*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	L	HDZ9034DL*	HPYF14A	HPYF14A15	HPYF14AZ
		DC	None	HDZ9034D*	HPYF14A	HPYF14A15	HPYF14AZ
10A	2	AC	L	HDZ9102L*	HPTF08A	HPTF08A15	
		AC	None	HDZ9102*	HPTF08A	HPTF08A15	
		DC	L	HDZ9102DL*	HPTF08A	HPTF08A15	
		DC	None	HDZ9102D*	HPTF08A	HPTF08A15	
	3	AC	L	HDZ9103L*	HPTF11A	HPTF11A15	
		AC	None	HDZ9103*	HPTF11A	HPTF11A15	
		DC	L	HDZ9103DL*	HPTF11A	HPTF11A15	
		DC	None	HDZ9103D*	HPTF11A	HPTF11A15	
	4	AC	L	HDZ9104L*	HPTF14A	HPTF14A15	
		AC	None	HDZ9104*	HPTF14A	HPTF14A15	
		DC	L	HDZ9104DL*	HPTF14A	HPTF14A15	
		DC	None	HDZ9104D*	HPTF14A	HPTF14A15	



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Order Information

Rotary Button Type

Rated Current	Poles	Control Voltage	LED	Reference	Base		
					Economical	Basic	European
5A	2	AC	L	HDZ9052L*R	HPYF08A	HPYF08A15	HPYF08AZ
		AC	None	HDZ9052*R	HPYF08A	HPYF08A15	HPYF08AZ
		DC	L	HDZ9052DL*R	HPYF08A	HPYF08A15	HPYF08AZ
		DC	None	HDZ9052D*R	HPYF08A	HPYF08A15	HPYF08AZ
3A	4	AC	L	HDZ9034L*R	HPYF14A	HPYF14A15	HPYF14AZ
		AC	None	HDZ9034*R	HPYF14A	HPYF14A15	HPYF14AZ
		DC	L	HDZ9034DL*R	HPYF14A	HPYF14A15	HPYF14AZ
		DC	None	HDZ9034D*R	HPYF14A	HPYF14A15	HPYF14AZ

* is control voltage and with/with not test button



Base type

Accessory jump ring	adepted base
HPY36M2C	HPYF08A15
HPY36S	HPYF08A15 HPYF08A HPYF14A15 HPYF14A HPTF08A
HIHPY36M	HPYF14AZ HPYF08AZ HPTF08A15

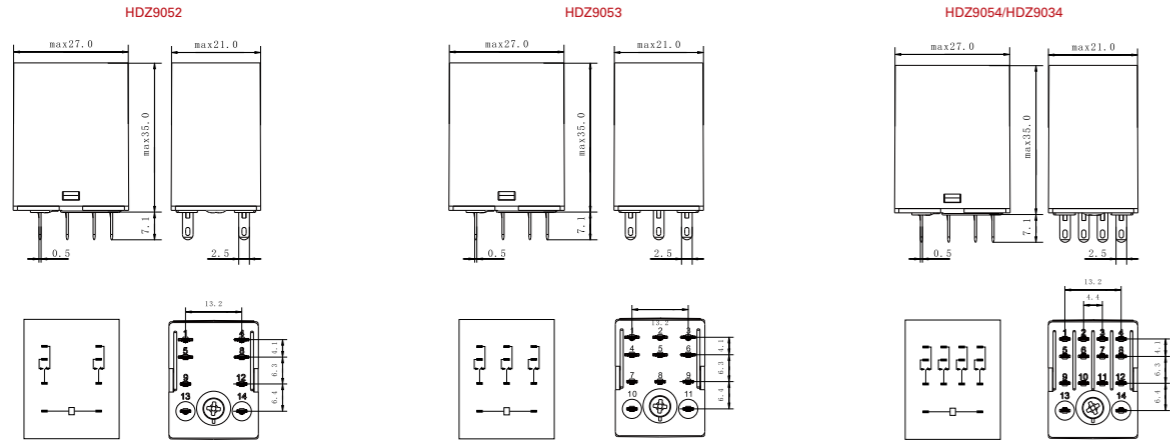
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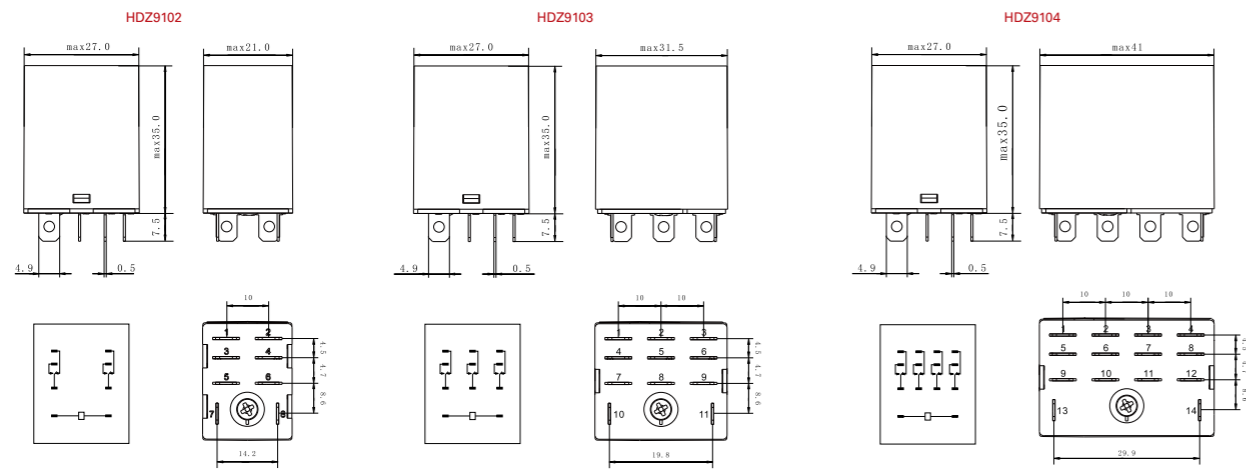


Overall Dimensions-Relayer

HDZ9-03/05



HDZ9-10



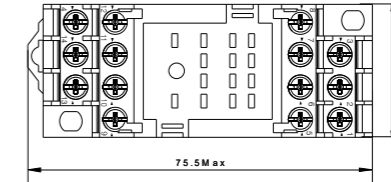
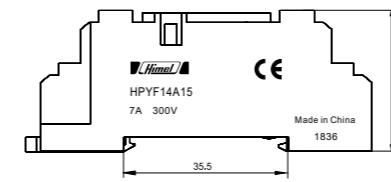
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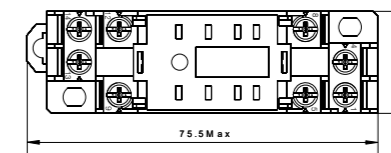
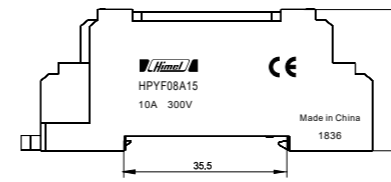


Overall Dimensions-Base

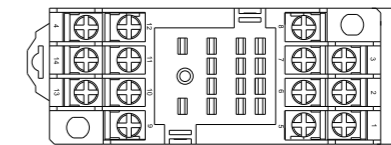
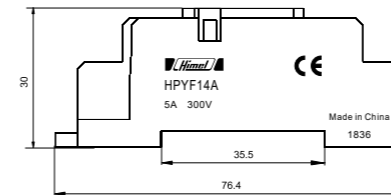
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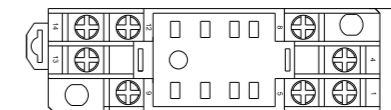
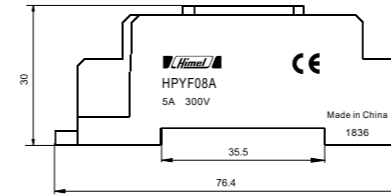
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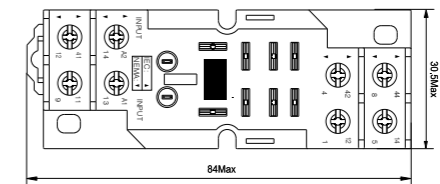
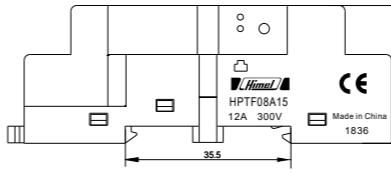
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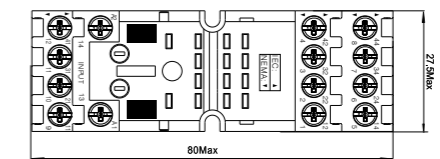
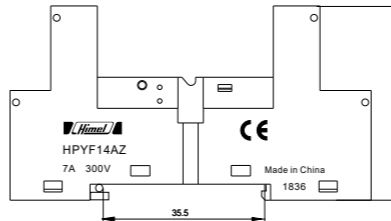
HPYF08A



HPTF08A15



HPYF14AZ



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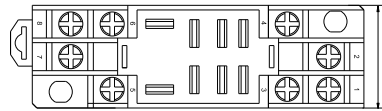
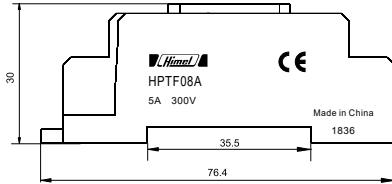
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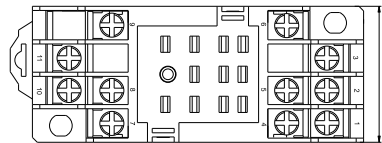
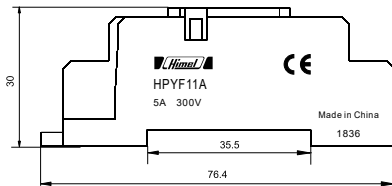


Overall Dimensions-Base

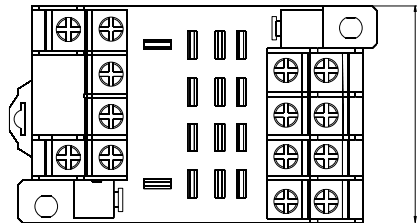
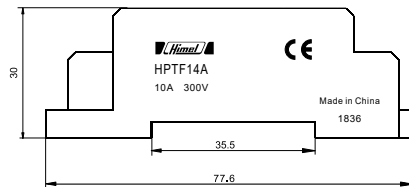
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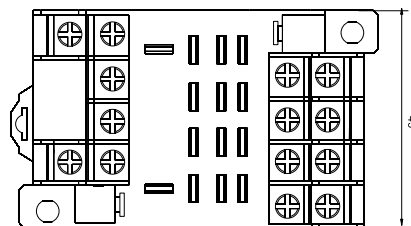
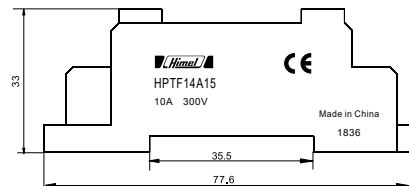
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HPTF14A



HPYF11A



HPTF14A15

