HDZ6 Contactor Relay

Standard: IEC 60947-5-1

Order Information

Product Name	Contact	Coil Voltage	Coil Power Type
HDZ6	32	M	
	↓	↓	↓
	32:3NO+NC 41:4NO+1NC	B:24V … X:440V	Default:50HZ 7:50/60HZ

Contact Form		Reference
4	1	HDZ6 41 □□
3	2	HDZ6 32 □□

Code Table of Coil Voltage

Coil Voltage (V)	24	36	48	110	127	220	380	415	440
50Hz	B	C	E	F	S	M	Q	L	X
50/60Hz	B7	-	E7	F7	-	M7	Q7	-	-

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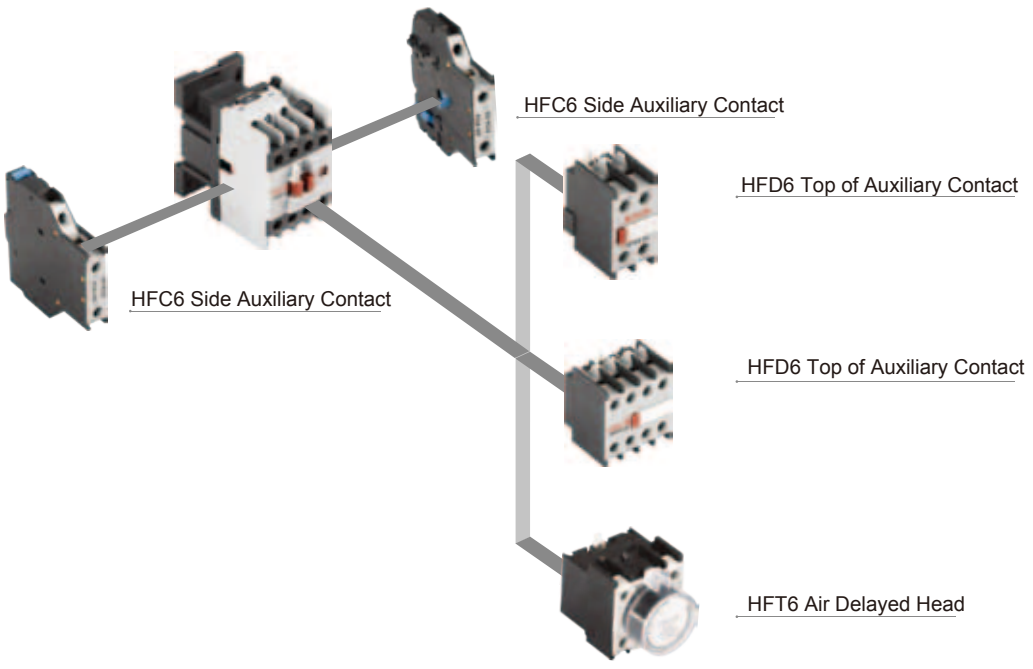
Standard: IEC 60947-5-1

Main Technical Parameter

Type		HDZ6-41	HDZ6-32
Contact		4NO+1NC	3NO+2NC
AC-15	Rated Operational Voltage	AC230V	AC400V
	Rated Operational Current	1.6A	0.95A
DC-13	Rated Operational Voltage	DC125V	DC220V
	Rated Operational Current	0.55A	0.27A
Rated Insulation Voltage		690V	
Rated Thermal Current		10A	
Mechanic Durabilities		10 Million Times	
Electric Durabilities		1 Million Times	
Control Circuit Voltage (Us)	50Hz	24V 36V 48V 110V 127V 220V 380V 415V 440V	
	50/60Hz	24V 48V 110V 220V 380V	
Operational Voltage Range		85%~110% Us	
Drop-out Voltage Range		20%~75% Us	
Wiring Ability		≤2.5(X2) m m²	

Diagram for Accessory Installation



Note: the accessories of HDZ6 are in common use with HDC6,
and please refer to P203 for more information about the accessories.

HDZ6 Contactor Relay

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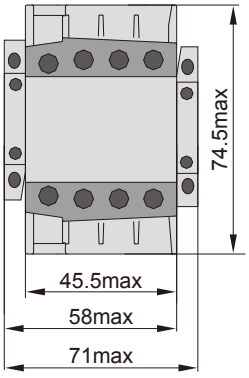
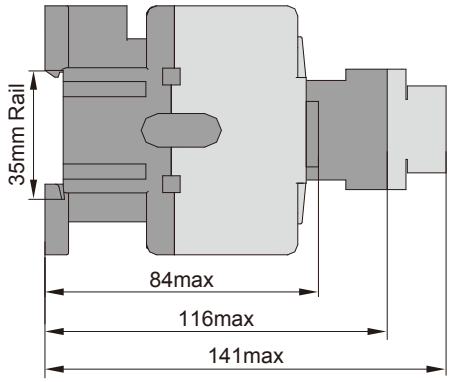
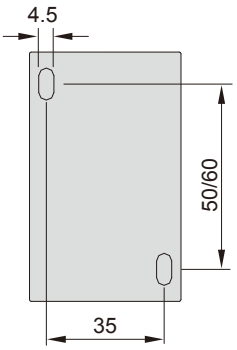
Overall Dimension of Installation

Environmental Requirements

- Ambient Temperature:-5°C~+40°C
- Altitude: ≤ 2000m
- Pollution Level: III
- No obvious shaking and shock vibration

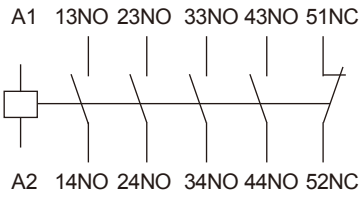




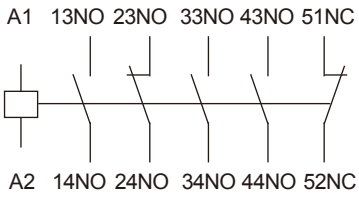


Wiring Diagram

HDZ6-41



HDZ6-32



HDZ8P Miniature Relay

Function

- Used to implement the conversion of intermediate control signals and low-power output, In the field of industrial control, used in conjunction with contactors, relays, circuit breakers, etc.

Order Information

Rated Current	Poles	LED	Voltage Type	Reference
5A	2	L	AC	HDZ8P052L*1
		None	AC	HDZ8P052*1
		L	DC	HDZ8P052L*Z1
		None	DC	HDZ8P052*Z1
	3	L	AC	HDZ8P053L*1
		None	AC	HDZ8P053*1
		L	DC	HDZ8P053L*Z1
		None	DC	HDZ8P053*Z1
	4	L	AC	HDZ8P054L*1
		None	AC	HDZ8P054*1
		L	DC	HDZ8P054L*Z1
		None	DC	HDZ8P054*Z1
3A	4	L	AC	HDZ8P034L*1
		None	AC	HDZ8P034*1
		L	DC	HDZ8P034L*Z1
		None	DC	HDZ8P034*Z1
10A	2	L	AC	HDZ8P102L*1
		None	AC	HDZ8P102*1
		L	DC	HDZ8P102L*Z1
		None	DC	HDZ8P102*Z1
	3	L	AC	HDZ8P103L*1
		None	AC	HDZ8P103*1
		L	DC	HDZ8P103L*Z1
		None	DC	HDZ8P103*Z1
	4	L	AC	HDZ8P104L*1
		None	AC	HDZ8P104*1
		L	DC	HDZ8P104L*Z1
		None	DC	HDZ8P104*Z1

HDZ8P Miniature Relay

Technical information

	5A		3A,5A	10A		
	2P	3P	4P	2P	3P	4P
Coil voltage	AC6V-380V ,DC6V-220V					
Contact capacity	5A/220VAC 30VDC		3-5A/220VAC 30VDC		10A 250VAC/ 28VDC	
LED	LED ,No LED					
Nominal Coil Power	0.9W/1.2VA			0.9W/1.2VA	1.4W/2VA	1.5W/2.5VA
Contact Resistance	≤100mΩ			≤50mΩ		
Insulation Resistance	≥100mΩ					
Dielectric Strength	BCC 1500VAC 1minute					
	BOC 1000VAC 1minute					
Operate /Release Time	25ms /25ms					
Installation method	PCB installation, Socket			PCB mounting, Socket		

HJSZ3 Series Electronic Time Relay

Standard: IEC 60947-5-1

Function

HJSZ3 Series eletroms time relay provide

- Rated AC frequency 50Hz & controlling voltage 400V or below.
- Be used as time-control component in the automatic controlling circuit, according to the scheduled time turn on or off the circuit.

Order Information

Relay mode	Rated working voltage	Relay time	Reference
Relay after power-on	120V	A: 0.05-0.5s/5s/30s/3M	HJSZ3AA120
		B: 0.1-1s/10s/60s/6M	HJSZ3AB120
		C: 0.5-5s/50s/5M/30M	HJSZ3AC120
		D: 1-10s/100s/10M/60M	HJSZ3AD120
		E: 6s-60s/10M/60M/6h	HJSZ3AE120
		F: 0.2M-2M/20M/2h/12h	HJSZ3AF120
		G: 0.4M-4M/40M/4h/24h	HJSZ3AG120
	240V	A: 0.05-0.5s/5s/30s/3M	HJSZ3AA240
		B: 0.1-1s/10s/60s/6M	HJSZ3AB240
		C: 0.5-5s/50s/5M/30M	HJSZ3AC240
		D: 1-10s/100s/10M/60M	HJSZ3AD240
		E: 6s-60s/10M/60M/6h	HJSZ3AE240
		F: 0.2M-2M/20M/2h/12h	HJSZ3AF240
		G: 0.4M-4M/40M/4h/24h	HJSZ3AG240
	400V	A: 0.05-0.5s/5s/30s/3M	HJSZ3AA400
		B: 0.1-1s/10s/60s/6M	HJSZ3AB400
		C: 0.5-5s/50s/5M/30M	HJSZ3AC400
		D: 1-10s/100s/10M/60M	HJSZ3AD400
		E: 6s-60s/10M/60M/6h	HJSZ3AE400
		F: 0.2M-2M/20M/2h/12h	HJSZ3AF400
		G: 0.4M-4M/40M/4h/24h	HJSZ3AG400

HJSZ3 Series Electronic Time Relay

Standard: IEC 60947-5-1

Order Information

Relay mode	Rated working voltage	Relay time	Reference
Relay after power-off	120V	1S: 0.1-1s	HJSZ3F1S120
		2S: 0.2-2s	HJSZ3F2S120
		3S: 0.3s-3s	HJSZ3F3S120
		5S: 0.5s-5s	HJSZ3F5S120
		6S: 0.6s-6s	HJSZ3F6S120
		10S: 1s-10s	HJSZ3F10S120
		20S: 2s-20s	HJSZ3F20S120
		30S: 3s-30s	HJSZ3F30S120
		60S: 6s-60s	HJSZ3F60S120
		100S: 10s-100s	HJSZ3F100S120
		180S: 18s-180s	HJSZ3F180S120
		4M: 0.4min-4min	HJSZ3F4M120
		5M: 0.5min-5min	HJSZ3F5M120
		6M: 0.6min-6min	HJSZ3F6M120
		10M: 1min-10min	HJSZ3F10M120
		20M: 2min-20min	HJSZ3F20M120
		30M: 3min-30min	HJSZ3F30M120
	240V	1S: 0.1-1s	HJSZ3F1S240
		2S: 0.2-2s	HJSZ3F2S240
		3S: 0.3s-3s	HJSZ3F3S240
		5S: 0.5s-5s	HJSZ3F5S240
		6S: 0.6s-6s	HJSZ3F6S240
		10S: 1s-10s	HJSZ3F10S240
		20S: 2s-20s	HJSZ3F20S240
		30S: 3s-30s	HJSZ3F30S240
		60S: 6s-60s	HJSZ3F60S240
		100S: 10s-100s	HJSZ3F100S240
		180S: 18s-180s	HJSZ3F180S240
		4M: 0.4min-4min	HJSZ3F4M240
		5M: 0.5min-5min	HJSZ3F5M240
		6M: 0.6min-6min	HJSZ3F6M240
		10M: 1min-10min	HJSZ3F10M240
		20M: 2min-20min	HJSZ3F20M240
		30M: 3min-30min	HJSZ3F30M240
	400V	1S: 0.1-1s	HJSZ3F1S400
		2S: 0.2-2s	HJSZ3F2S400
		3S: 0.3s-3s	HJSZ3F3S400
		5S: 0.5s-5s	HJSZ3F5S400
		6S: 0.6s-6s	HJSZ3F6S400
		10S: 1s-10s	HJSZ3F10S400
		20S: 2s-20s	HJSZ3F20S400
		30S: 3s-30s	HJSZ3F30S400
		60S: 6s-60s	HJSZ3F60S400
		100S: 10s-100s	HJSZ3F100S400
		180S: 18s-180s	HJSZ3F180S400
		4M: 0.4min-4min	HJSZ3F4M400
		5M: 0.5min-5min	HJSZ3F5M400
		6M: 0.6min-6min	HJSZ3F6M400
		10M: 1min-10min	HJSZ3F10M400
		20M: 2min-20min	HJSZ3F20M400
		30M: 3min-30min	HJSZ3F30M400

HJSZ3 Series Electronic Time Relay

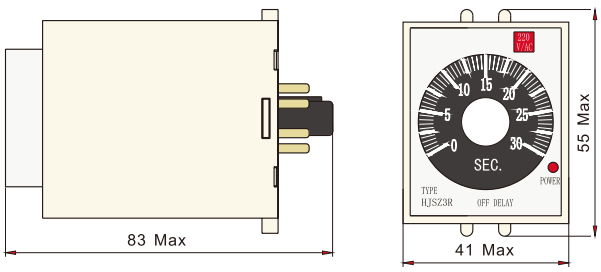
Standard: IEC 60947-5-1

Technical Data

Condition	AC-15	400V/1.95A; 240V/1.5A; 120V/3.0A
	DC-13	250V/0.27A; 125V/0.55A
Repetitive error		≤5%
Rated themal current		5A
Mechanical life		≥1×10^6 times
Electric life		≥1×10^5 times
Power loss		≤3W
Working mode		A: Relay after power-on F:Relay after power-off
Reset mode		A:Power-off reset F:External device reset
Contactor endurance		A:5A (Resistive) F:1A（Resistive）
Relay time		HJSZ3A: 0.05s-0.5s/5s/30s/3M,0.1s-1s/10s/60s/6M 0.5s-5s/50s/5M/30M,1s-10s/100s/10M/60M 6s-60s/10M/60M/6h,0.2M-2M/20M/2h/12h 0.4M-4M/40M/4h/24h HJSZ3F: 0.1s-1s,0.2s-2s,0.3s-3s,0.5s-5s,0.6s-6s,1s-10s,2s-20s,3s-30s,6s-60s,10s-100s,10s-120s,10s-180s,0.4M-4M,0.5M-5M,0.6M-6M,1M-10M,2M-20M,3M-30M
Temp.		-5℃～+40℃
Install mode		Install mounted, Din rail mounted, Panel mounted

Overall Dimensions

Unit: mm



HXJ9 Phase Failure And Sequence Protection Relay

Standard: IEC 60947-5-1

Function

HXJ9 phace failare and sequence proctection relay provide:

- ☐ Rated AC frequency of 50Hz, rated control supply voltage AC 400V.
- ☐ Phase failure and phase sequence protector.

Order Information

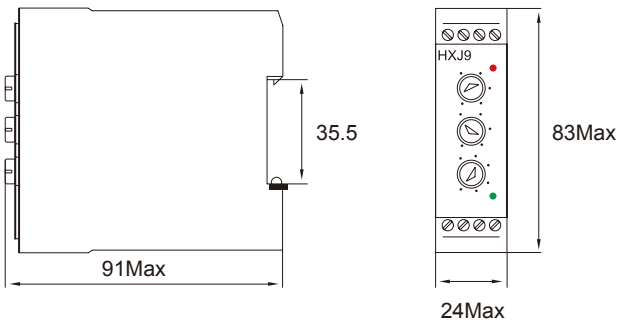
Function	Voltage	Reference
Phase failure sequency protection	380V 400V	HXJ9380 HXJ9400

Technical Data

Standard	IEC 60947-5-1
Overvoltage protection	400-480V(adjustable), Reaction time: 1.5-4S(adjustable)
Undervoltage protection	320-400V(adjustabe). Reaction time: 2-9S(adjustable)
Phase failure & phase Wrong protect time	Reaction time ≤2S
Contactor mode	1 NO,1NC
Contactor endurance	5A Resistive
Power voltage	AC 400V
Mechanical lifetime	≥1×10^6 times
Electrical lifetime	≥1×10^5 times
Power loss	≤1W
Contactor capacity	AC400V×3

Overall Dimensions

Unit: mm



HDTL17 Impulse Relays

Standard: IEC 60947-4

Function

Impulse relays are used for control by pushbuttons of lighting circuits:

- ☐ Incandescent lamps, low voltage halogen lamps,etc.(resistive loads)
- ☐ Fluorescent tubes, discharge lamps,etc.(inductive loads)

Order Information

Poles	Rated Current(A)	Coil Voltage(V)	Coil Frequency(Hz)	Reference
1P	16	230	50	HDTL1716N5

Technical data

Rated Voltage	250V
Inrush power	11VA
Impulse duration	50ms
Maximum switching frequency	5 switching operations/minute
Electrical durability	50,000 cycles
Operating temperature	-5°C to +40°C