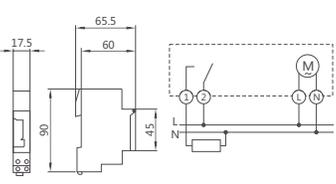
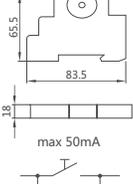
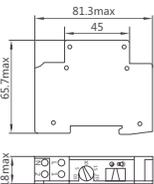


TIMERS

Classification	Timer			
Model	SUL181a	SUL160a	YCST8	YCC18
Appearance				
Contact capacity	AC230 16(4)A	AC220 16(4)A	AC220 16A	AC220 16A
Full timing range	24h	24h	7min	20min
Contact resistance	≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ
Insulation resistance	≥100MΩ	≥100MΩ	≥100MΩ	≥100MΩ
Coil voltage	110, 230V AC	110, 230V AC	110, 230V AC	110, 230V AC
Life	Electrical	10 ⁵ times	10 ⁵ times	10 ⁵ times
	Mechanical	10 ⁷ times	10 ⁷ times	10 ⁷ times
Operating temperature	-10°C~+50°C	-10°C~+55°C	-20°C~+55°C	-20°C~+55°C
Dimensions(mm)				
Storage battery (working reserve)	time 70h	without battery		
Minimum setting unit	15Minutes	15Minutes	0.5Minutes	0.5Minutes
Set up times	15m/per time 96 times	15m/per time 96 times	1M,1.5M,2M,2.5M,3M,3.5M,4M,4.5M,5M,5.5M,6M,6.5M,7M	0.5M,5M,10M,15M,20M
Consumed power max	1VA	1VA	1VA	5VA stand by mode 1VA

COUNTERS RELAY



DH48J

Model Meaning



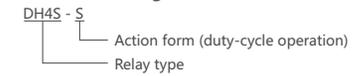
Specification

Item No.	Data
Voltage	DC12V-48V AC12V-380V 50HZ
Counting Method	accumulation
Counting Range	1-9999 (×1×10×100) Contacts input or photoelectric switch input
Input Signal	Multiple dial switch pre-setting
Counting Speed	30 times/S
Contact Capacity	AC220V 3A; DC28V 3A
Operating Temperature	-10°C~50°C
Humidity	35%~85%
Life	Mech:10 ⁷ Elec:10 ³
Weight	≈100g



DH48S-S

Model Meaning



Specification

Item No.	Data
Voltage	DC12V-48V AC 24V-380V50HZ
Power expend	DC1.0W AC1.0VA
Control output	5A 220V AC
Insulation Resistance	DC500V 100MΩ
Dielectric Strength	BCC1500VAC BOC1000VAC
Operating Temperature	-10°C~50°C
Humidity	35%~85%
Life	Mech:10 ⁷ Elec:10 ³
Weight	≈150g
Installing Holing Size	45×45mm

Time Range

0.1S~99H



DH48S-2Z

Model Meaning

DH48S - 1Z/2Z AC220V

Voltage DC 12V-48V AC 24V-380V
 Operation 1Z: Power on-delay Reset & Gate;
 2Z: Power on-delay
 Relay type

Specification

Item No.	Data
Voltage	DC12V-48V AC24V-380V 50HZ
Power expend	DC1.0W AC1.0VA
Control output	5A 220V AC
Insulation Resistance	DC500V 100MΩ
Dielectric Strength	BCC1500VAC BOC1000VAC
Operating Temperature	-10°C~50°C
Humidity	35%~85%
Life	Mech:10 ⁷ Elec:10 ⁹
Weight	≈150g
Installing Holing Size	45×45mm

Time Range

0.01S~99.99S; 1S~99M99S; 1M~99H99M

Model Meaning

H3BA - 8 - 10S AC220V

Voltage AC 24V-220V
 Time range
 Operation 8: Power on-delay; 8H: Instantaneous
 Relay type

Specification

Item No.	Data
Voltage	DC12V-48V AC24V-415V 50HZ
Power expend	DC1.0W AC1.0VA
Control output	5A 220V AC
Insulation Resistance	DC500V 100MΩ
Dielectric Strength	BCC1500VAC BOC1000VAC
Operating Temperature	-10°C~50°C
Humidity	35%~85%
Life	Mech:10 ⁷ Elec:10 ⁹
Weight	≈170g
Installing Holing Size	45×45mm

Time Range

Rated units	Time units				
	Seconds	Minute	Hour	10 Hours	
0.5		0.05-0.4		0.5-5h	
1.0		0.1-5		1-10h	
5.0		0.5-5		5-50h	
10		1-10		10-100h	



H3BA-8 (ST4P)

Features

Used for control of time order
 With front-surface and
 back-surface connecting sockets
 LED pilot, display action state

Model Meaning

H3BA - A - 10S AC220V

Voltage AC 24V-415V DC 12V-48V
 Time range
 Operation A: On-delay; B: Recycling work;
 C: Off-delay; D: On/off-delay
 Relay type

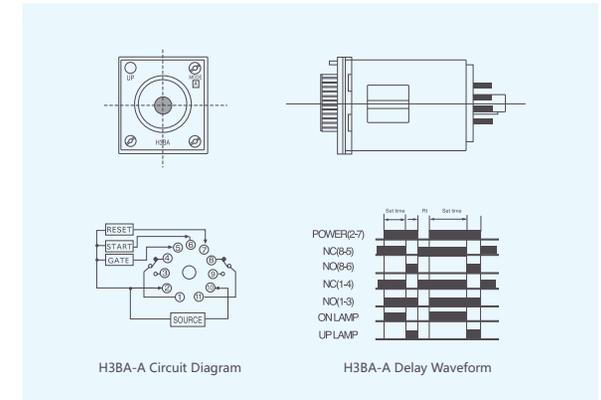
Specification

Item No.	Data
Voltage	DC12V-48V AC24V-415V 50HZ
Power expend	DC1.0W AC1.0VA
Control output	5A 220V AC
Insulation Resistance	DC500V 100MΩ
Dielectric Strength	BCC1500VAC BOC1000VAC
Operating Temperature	-10°C~50°C
Humidity	35%~85%
Life	Mech:10 ⁷ Elec:10 ⁹
Weight	≈170g
Installing Holing Size	45×45mm

Time Range

Rated units	Time units				
	Seconds	Minute	Hour	10 Hours	
0.5		0.05-0.4		0.5-5h	
1.0		0.1-5		1-10h	
5.0		0.5-5		5-50h	
10		1-10		10-100h	

Dimension



H3BA-A Circuit Diagram

H3BA-A Delay Waveform