Model:JAO3513

JAO3513 series is a low cost, self-powered, current switch, for overcurrent protection, current indication system. When the main circuit current value exceeds the set value, the output is on. When the main circuit current is less than the set value, the output is off . The product is divided into three kinds of output form, namely:
①NPN tipo de salida del transistor de tipo de corriente continua
②PNP tipo de salida transistor para el tipo de corriente continua;
③ACA SCR tipo de salida, para el control de la alternancia tipo de corriente;
3 kinds of output can be directly connected to the PLC or relay.
(Note that for DC current control directly connected to the relay to be connected to the clamp diode. For AC current monitoring of the occasion, need to connect RC RC voltage network).

Features:
Low cost, Four variable working points,fully isolated, reverse output polarity protection, self-powered.
DC switch (-NPN or -PNP):
Vce voltage (off state): maximum operating voltage 30V DC
Vce voltage (off state): maximum operating voltage 30V DC
Vce voltage (reverse polarity): 1.2 VDC 100 mADC
Vce voltage (on): 1.5 VDC 120 mADC
Off leakage current: 5uA 30 VDC (typical)
AC switch (-ACA):
Off-state voltage: RMS maximum AC 240V
Minimum maintenance current: 10mA
On-state current: Maximum continuous current 0.8A (RMS)
Off-state leakage current: up to 50uA (AC 240V)

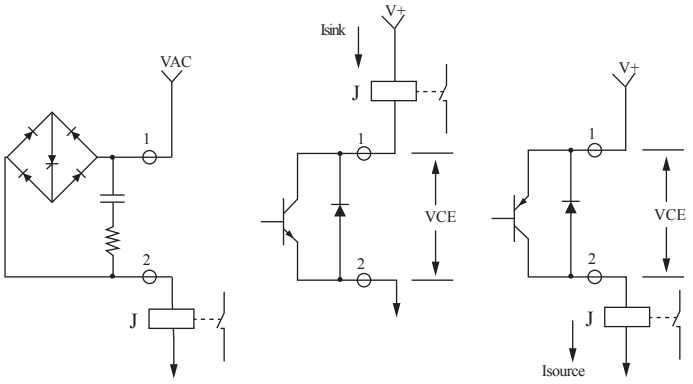
Model definition:

JAO	3	5			-			

Φ13

NPN Transistor output
PNP Transistor output
ACA AC output

Wiring schematic diagram:

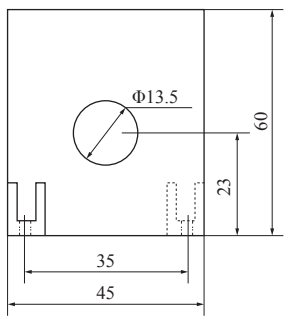


-ACA -NPN -PNP

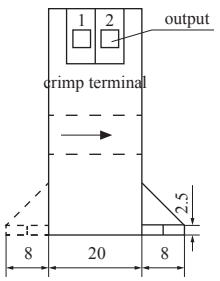
Technical indicators:

The transformer maintains the current twice	≥350	mA AC（RMS）
Transformer overload capacity	5×In/1s	
Turn on time	max100	ms(Rated current)
Closing time	max250	ms(80% of Vce)
Action current	50/80/100/150	A (Four gears)
frequency	50-400	Hz
Operating temperature	-30～+60	℃
Storage temperature	-55～+85	℃
weight	≈100	g

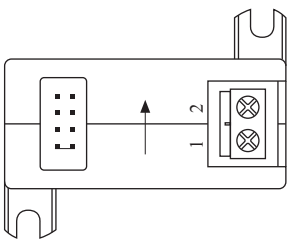
Dimension drawing:



Front View



Side View



Top view