



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Power supply for safety relays KPS0-YS Part number 85102208



- Possibility of 110 VAC and 230 VAC power supply of 24 VDC safety relays
- Input : universal voltage range 85 →265 VAC/DC
- Output : secondary voltage 24 VDC / 200 mA
- High efficiency (80 %)
- Protection class II, according to EN 61 558-1

Part numbers

	Type	Terminals	Voltages	Supply frequency range (Hz)	Outputs
85102208	KPS0-YS	Screws	85 →265 VAC/DC24 VDC	50/60	24 VDC / 200 mA

Specifications

Operating characteristics

Functions	Universal Power supply for 24 VDC Safety Relays
Failure detection	Short circuit and overload protection
Display of output state by LED	Power supply : U (secondary voltage)

Supply

Supply voltage	85 102 208 : 85 →265 VAC / 85 →300 VDC
Supply frequency range (Hz)	50 / 60

Output specification

Type	Secondary voltage 24 VDC± 5 %
Max. thermal current I for each contact	200 mA
Protection against short circuits	Electronic fuse

Climatic environment

Operating temperature (° C)	-20 →+50
Altitude	< 2000 m
Climate resistance according to IEC/EN 60068-1	20 / 050 / 04

Mechanical environment

Vibration resistance according to IEC/EN 60068-2-6	Amplitude : 0,35 mm Frequency : 10 →55 Hz
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Electromagnetic environment

Immunity to electrostatic discharges acc. IEC/EN 61000-4-2	8 kV (air)
Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3	10 V / m
Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4	4 kV
Immunity to shock waves according to IEC/EN 61000-4-5	Between wires for power supply : 1 kV
Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-6	10 V

Housing

Material : self-extinguishing (UL94VO)	Thermoplastic with V0 extinction behaviour
Protection (IEC/EN 60529) - Casing	IP40
Protection (IEC/EN 60529) - Term. block	IP20
Mounting	DIN-rail
Weight (g)	125

Safety standards

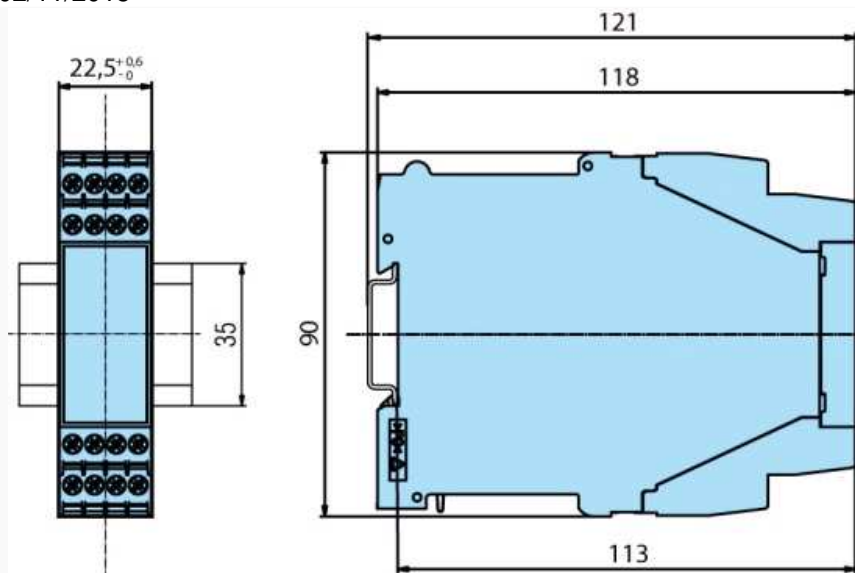
Approvals	CE
Environmental directive 2002/95/CE	RoHS
Environmental regulation 1907/2006	Reach
Protection class II according to EN 61 558-1	II

Dimensions (mm)



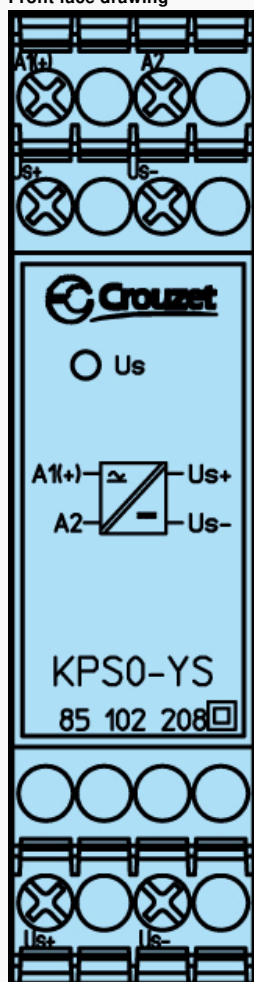
Dimensions (mm)

Screw terminals



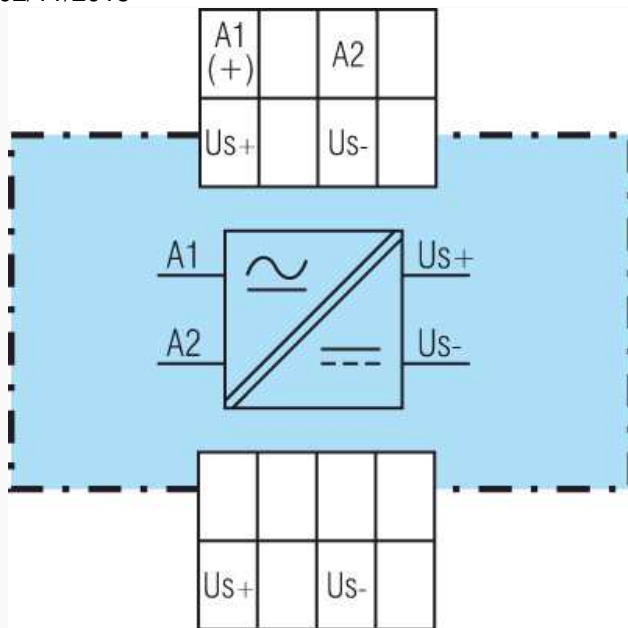
Connections

Front face drawing



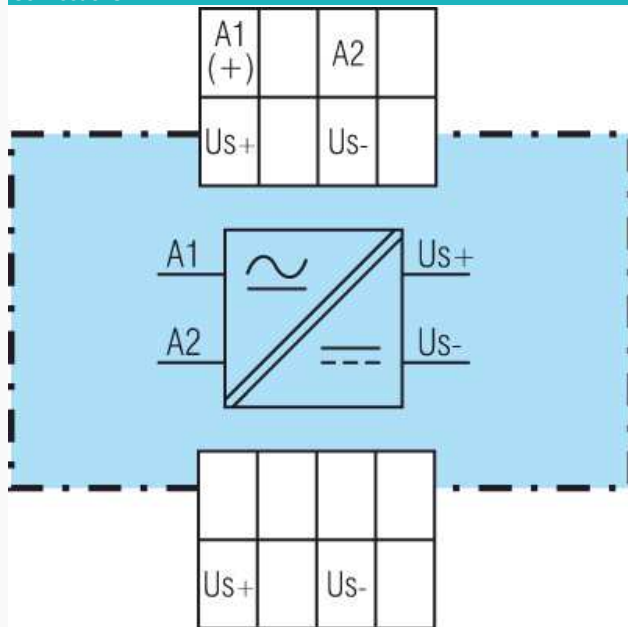
Connections

Contacts



A1 (+), A2 : Primary voltage Us+, Us- : Secondary voltage

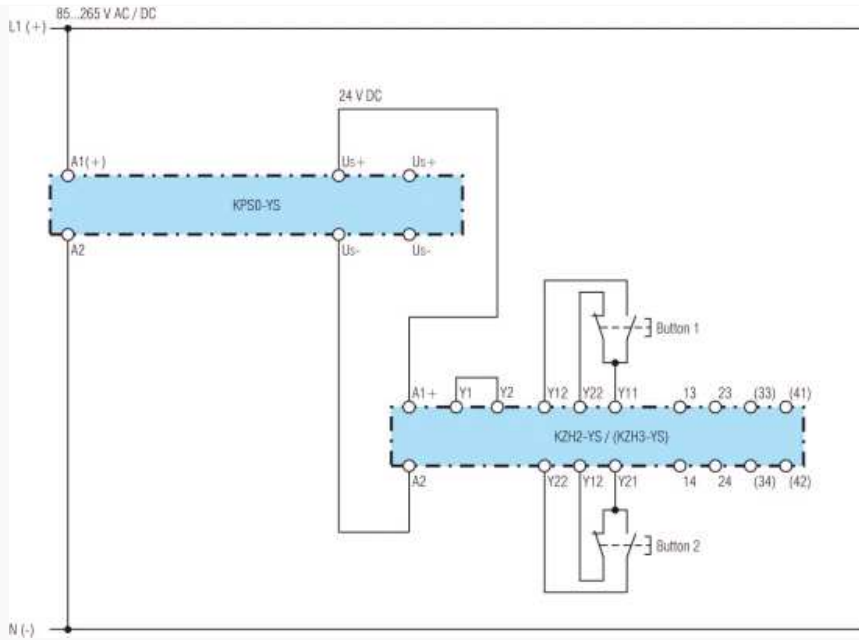
Connections



A1 (+), A2 : Primary voltage Us+, Us- : Secondary voltage

Applications

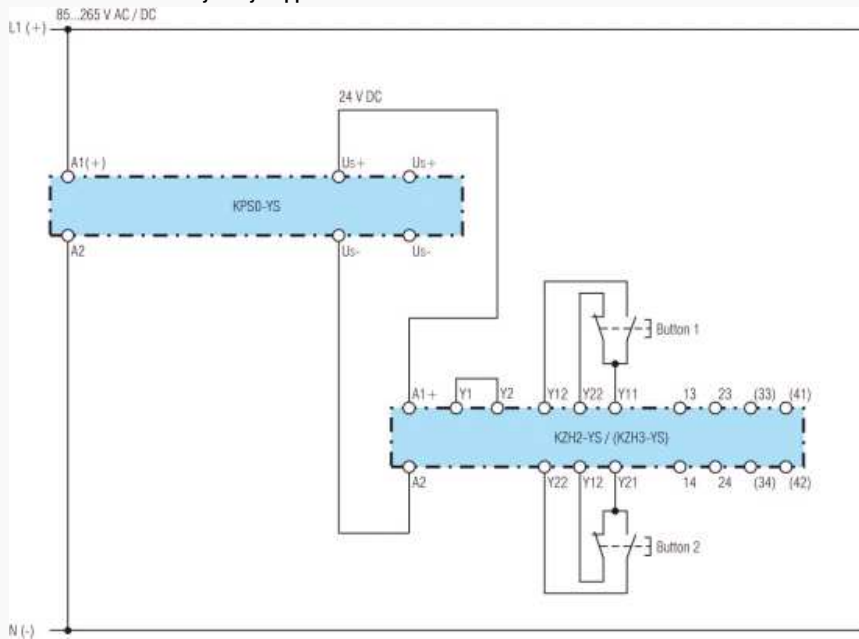
24 V Two-hand safety relay supplied with 110 or 230 V



This wiring is only valid for 24 V or 24 V / safety relays

Applications

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