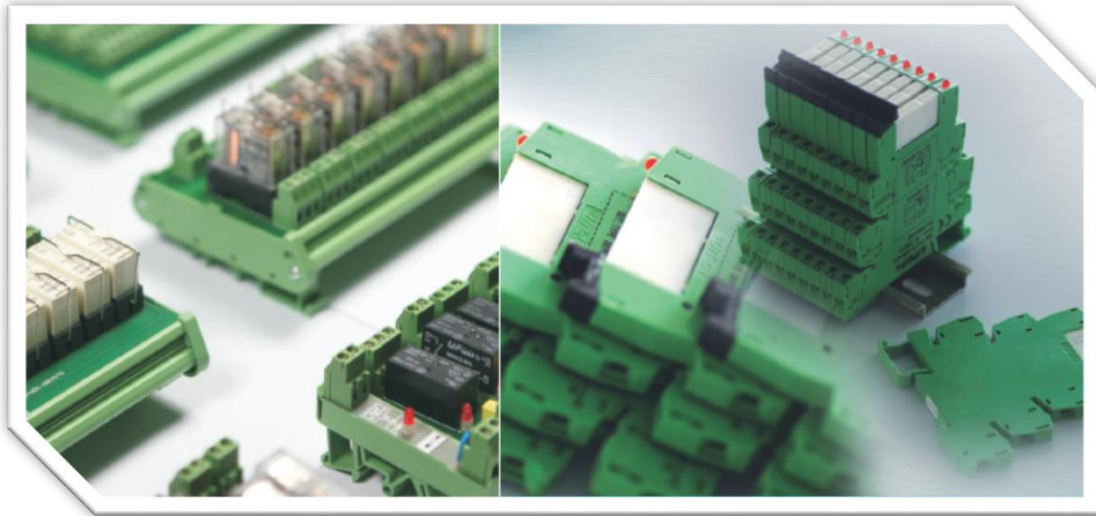








# ELECTRONIC MODULES



## DIGITAL SIGNAL ISOLATORS

<p>Isolator UGL-S/R/S</p>  <p>Switching in, relay out</p>	<p>Isolator UGL-S/J/S</p>  <p>Switching in, transistor out</p>	<p>Isolator UGL-S/P</p>  <p>Switching out</p>	<p>Isolator UGL-S/P/S</p>  <p>Switching out</p>
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## ANALOG SIGNAL ISOLATORS






<p>Isolator UGL-V/C/S</p>  <p>Voltage input</p>	<p>Isolator UGL-C/CM</p>  <p>Current output</p>	<p>Isolator UGL-C/CM(HART)</p>  <p>Current output</p>	<p>Isolator UGL-V/C</p>  <p>Voltage input</p>	<p>Isolator UGL-V/CV/S</p>  <p>Voltage input</p>
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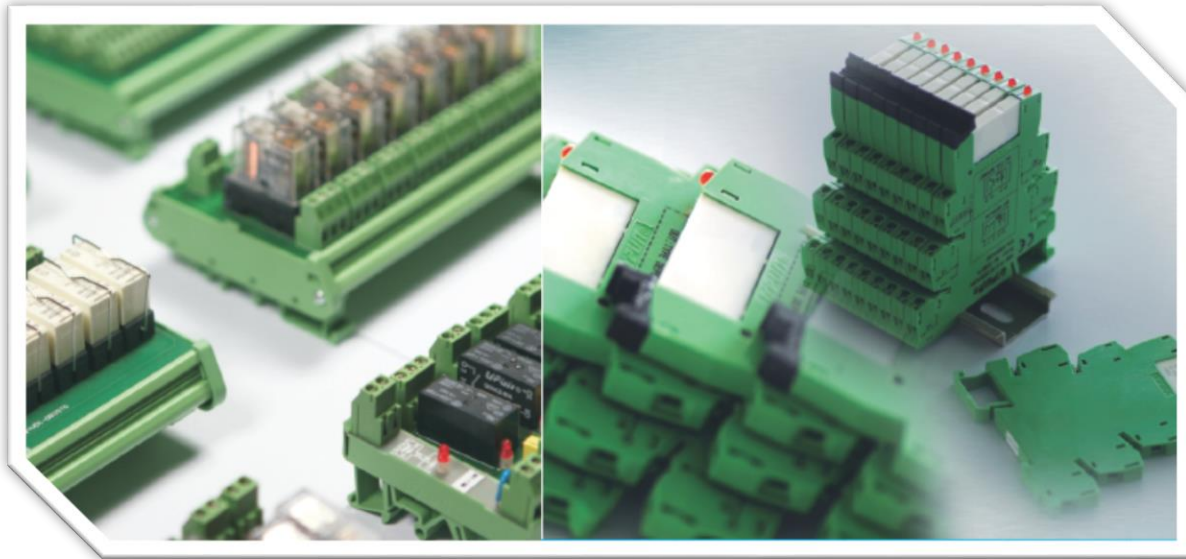
<p>Isolator UGLB-C/C/S(HART)</p>  <p>2-wire transducer input</p>	<p>Isolator UGLB2-C/CV/S</p>  <p>Transducer and current input</p>	<p>Isolator UGLB2-C/C/O</p>  <p>Transducer input, output loop-powered</p>	<p>Isolator UGLB-C/C</p>  <p>2-wire transducer input</p>	<p>Isolator UGL-F/J/S</p>  <p>Frequency input</p>
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Isolator  
UGLB-C/C(HART)



2-wire transducer input

<p>Isolator UGL-C/CM/S</p>  <p>Current output</p>	<p>Isolator UGLB-C/CM/S</p>  <p>Current input, multi-signal output</p>	<p>Isolator UGL-VC/CV/S</p>  <p>Multi-signal input/output</p>	<p>Isolator UGL-C/C</p>  <p>Current input</p>	<p>Isolator UGLH-C/C</p>  <p>Current input</p>
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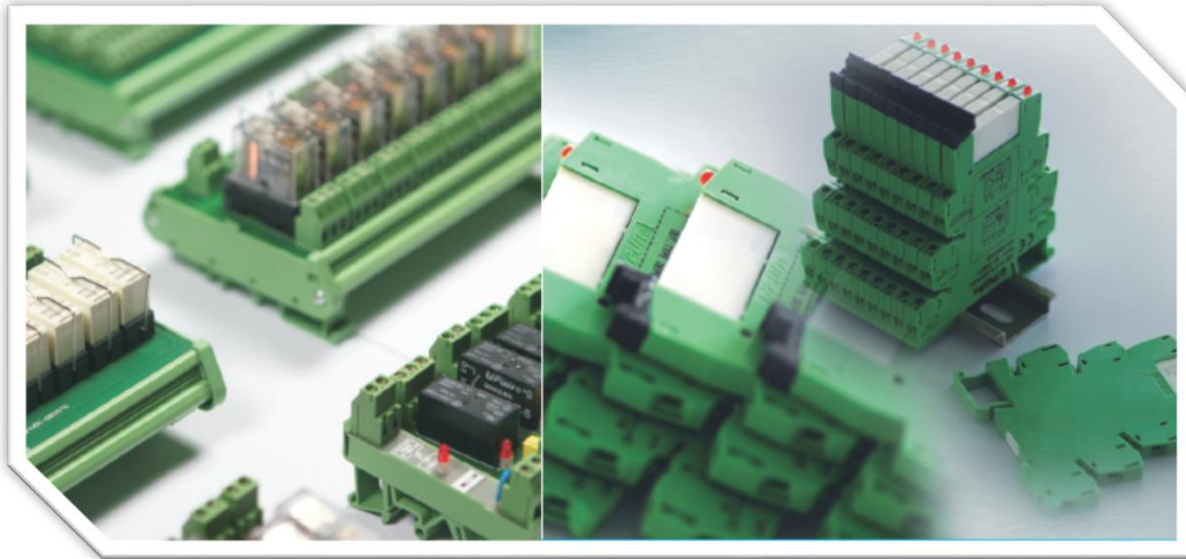


## ANALOG SIGNAL ISOLATORS/CONVERTERS



## COMMUNICATION SIGNAL ISOLATORS





## SIGNAL TRANSDUCERS

Transducer  
UBS-4TR/CV/S



Resistance thermometer input

Transducer  
UBSZ-8TL/CV/S



Thermocouple input

Transducer  
UBS-8TL/C



Thermocouple input

Transducer  
UBS-D/CV/S



Potentiometer input

Transducer  
UBSZ-4TR/8TL/C



Resistance thermometer/  
thermocouple input

Transducer  
UBSZ-8TL/CVR/S



Thermocouple input,  
alarm setting

Transducer  
UBS-4TR/CVR/S



Thermocouple input,  
alarm setting

ACV transducer  
UBS-VAC/CV/S



Voltage signal

ACA transducer  
UBS-IAC/CV/S



Current signal

ACA transducer  
UBS-IAC/CV/SP



Current signal

## SIGNAL CONDITIONERS

Ex i signal conditioner  
UGA-WSR/S-EX



Switching in, relay out

Ex i signal conditioner  
UGA-ISP-EX



12V/45mA switching input

Ex i signal conditioner  
UGAB2-CC/S-EX



Transducer/current input

Ex i signal conditioner  
UGAB-CC/S-EX



2-wire transducer input

Ex i signal conditioner  
UGA-ICC/S-EX



Current output

Ex i signal conditioner  
UGABZ-3TR3C/S-EX



Thermocouple input,  
programmable

Ex i signal conditioner  
UGABZ-8TLC/S-EX



Thermocouple input,  
programmable
















Ex i signal conditioner  
UGA-IFP/S-EX



Frequency input



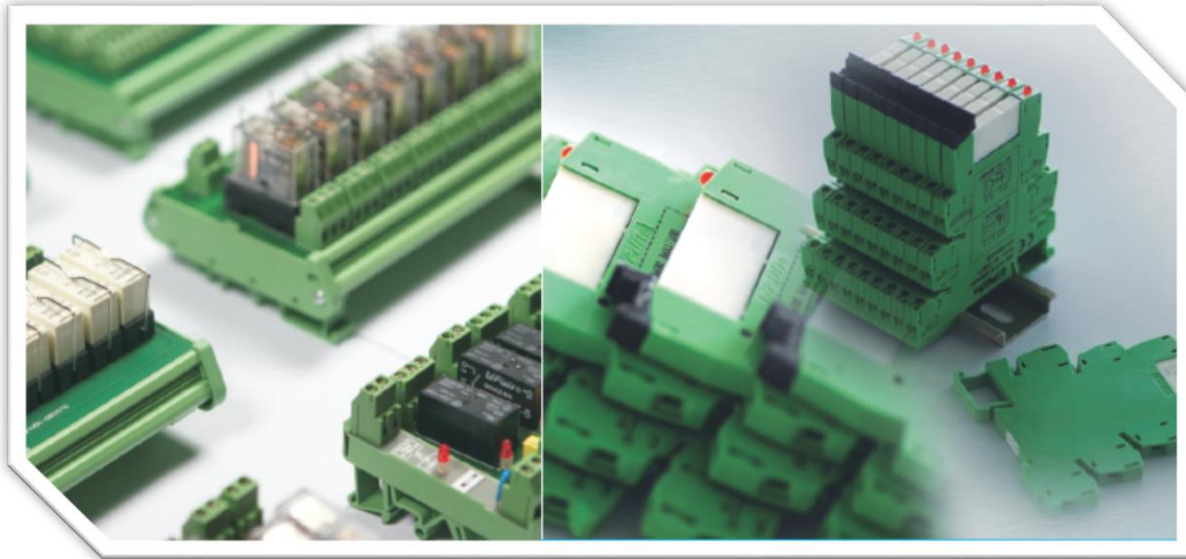
## RELAY MODULES

<p>UDK-PLC-RI 12Vdc</p>  <p>SPDT 6A</p>	<p>UDK-PLC-RI 24Vdc</p>  <p>SPDT 6A</p>	<p>UDK-PLC-RI 24Vac/dc</p>  <p>SPDT 6A</p>	<p>UDK-PLC-RI 120Vac/dc</p>  <p>SPDT 6A</p>	<p>UDK-PLC-RI 230Vac/dc</p>  <p>SPDT 6A</p>
<p>UDK-PLC-RII 12Vdc</p>  <p>DPDT 6A</p>	<p>UDK-PLC-RII 24Vdc</p>  <p>DPDT 6A</p>	<p>UDK-PLC-RII 24Vac/dc</p>  <p>DPDT 6A</p>	<p>UDK-PLC-RII 120Vac/dc</p>  <p>DPDT 6A</p>	<p>UDK-PLC-RII 230Vac/dc</p>  <p>DPDT 6A</p>
<p>UDK-PLC-RI 12Vdc-HC</p>  <p>SPDT 10A</p>	<p>UDK-PLC-RI 24Vdc-HC</p>  <p>SPDT 10A</p>	<p>UDK-PLC-RI 24Vac/dc-HC</p>  <p>SPDT 10A</p>	<p>UDK-PLC-RI 120Vac/dc-HC</p>  <p>SPDT 10A</p>	<p>UDK-PLC-RI 230Vac/dc-HC</p>  <p>SPDT 10A</p>

## RELAY MODULES W/O RELAY

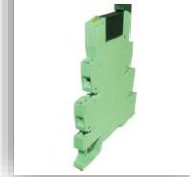
<p>UDK-R 12Vdc 1NO</p> 	<p>UDK-R 24Vdc 1NO</p> 	<p>UDK-R 24Vac/dc 1NO</p> 	<p>UDK-R 110Vac/dc 1NO</p> 	<p>UDK-R 220Vac 1NO</p> 	<p>UDK3-RI 12Vdc 1 change-over</p> 
<p>UDK3-RI 24Vdc 1 change-over</p> 	<p>UDK3-RI 24Vac/dc 1 change-over</p> 	<p>UDK3-RI 110Vac/dc 1 change-over</p> 	<p>UDK3-RI 220Vac 1 change-over</p> 		

<p>UDK-PLC-ZI</p> 	<p>UDK-PLC-ZII</p> 
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## OPTOCOUPLER MODULES

UDK-PLC-O 12Vdc



UDK-PLC-O 24Vdc



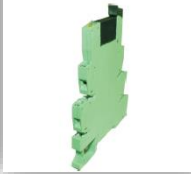
UDK-PLC-O 24Vac/dc



UDK-PLC-O 120Vac/dc



UDK-PLC-O 230Vac/dc



UDK2-0 5Vdc



UDK2-0 12Vdc



UDK2-0 24Vac/dc



UDK2-0 24Vdc



UDK2-0 110Vdc



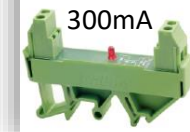
UDK2-0 220Vdc



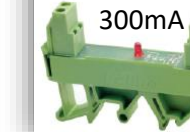
UDK2-0 220Vac/dc



UDK2-0 24Vdc/D  
300mA



UDK2-0 220Vdc/D  
300mA



UDK2-0F 24Vdc  
3A



UDK2-0T 24Vdc  
3A

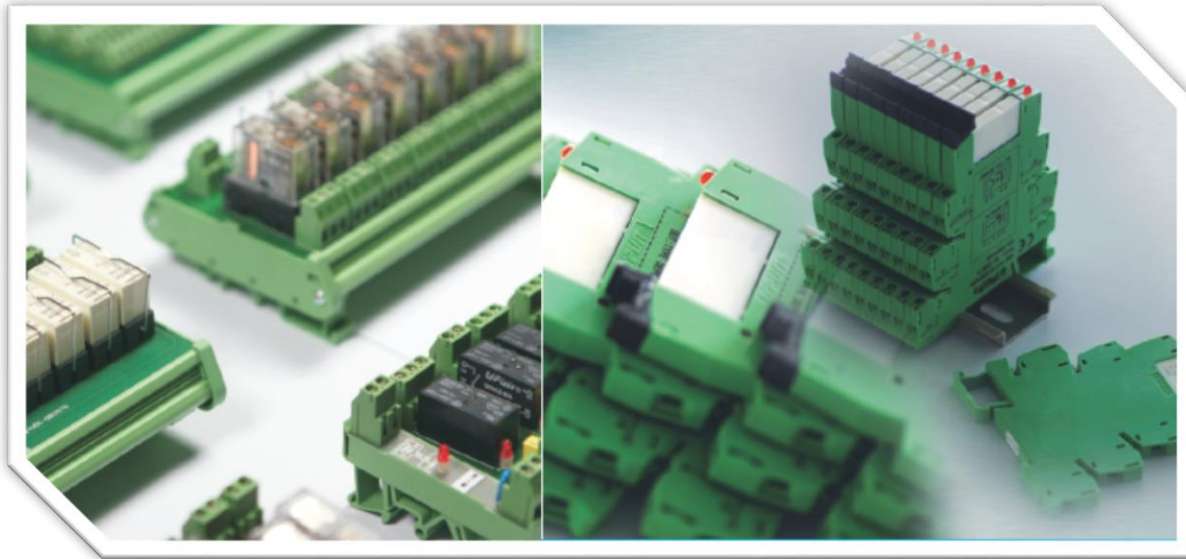


UDK2-0S 24Vdc  
3A



UDK2-0S 220Vdc  
3A





## OPTOCOUPLER MODULES

UDK-0G 5Vdc



UDK-0 12Vdc



UDK-0 24Vdc



UDK-0 24Vdc/220Vdc



UDK-0 24Vdc/C



UDK-0 24Vdc/220Vdc/C



UDK-0 24Vdc/D



UDK-0 24Vac/dc



UDK-0 110Vac/dc



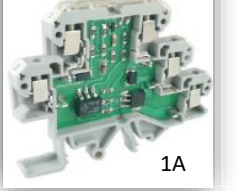
UDK-0 220Vac/dc



UDK3-0 12Vdc



UDK3-0 24Vdc



1A

1A

## HIGH FREQUENCY OPTOCOUPLER MODULES (100KHZ)

UDK3-0G 5Vdc



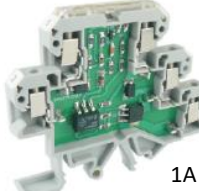
UDK3-0G 12Vdc



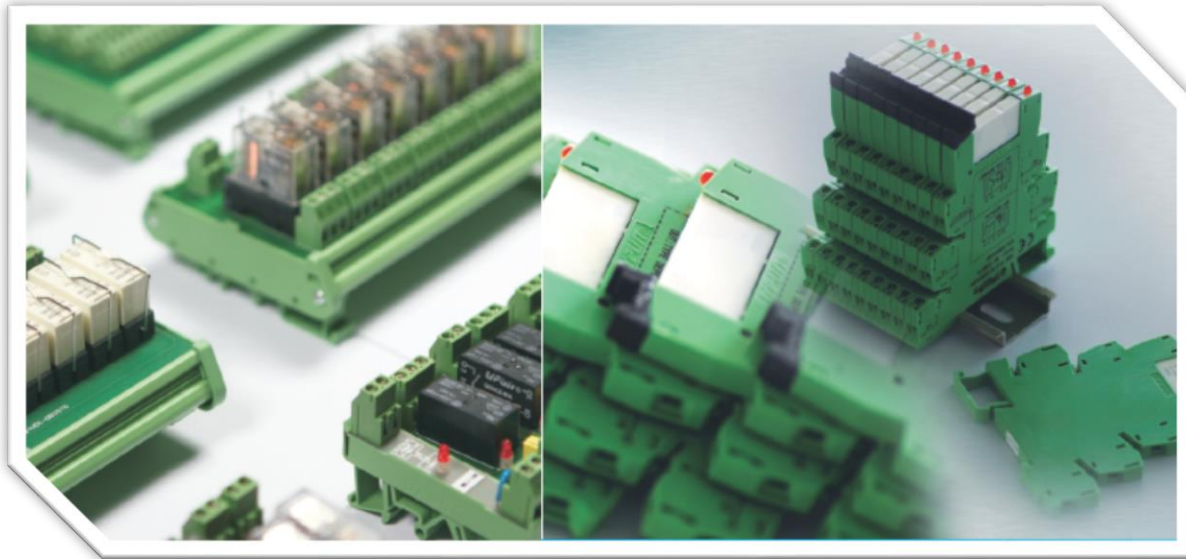
UDK3-0G 24Vdc



UDK3-0 24Vac/dc



1A



## RELAY MODULES

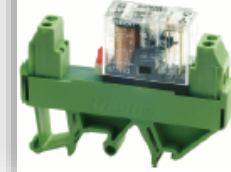
UDK2-RK 110Vac/dc  
1NO



UDK2-RK 220Vac/dc  
1NO



UDK2-RK 12Vdc  
1NO



UDK2-RK 24Vdc  
1NO



UDK2-RK 24Vac/dc  
1NO



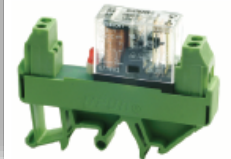
UDK2-RB 12Vdc  
1NC



UDK2-RB 24Vdc  
1NC



UDK2-RB 24Vac/dc  
1NC



UDK2-RB 110Vac/dc  
1NC



UDK2-RB 220Vac/dc  
1NC



UDK2-RI 24Vac/dc  
1 change-over



UDK2-RI 110Vac/dc  
1 change-over



UDK2-RII 220Vac/dc  
2 change-over



UDK2-RI 220Vac/dc  
1 change-over



UDK2-RII 24Vdc  
2 change-over

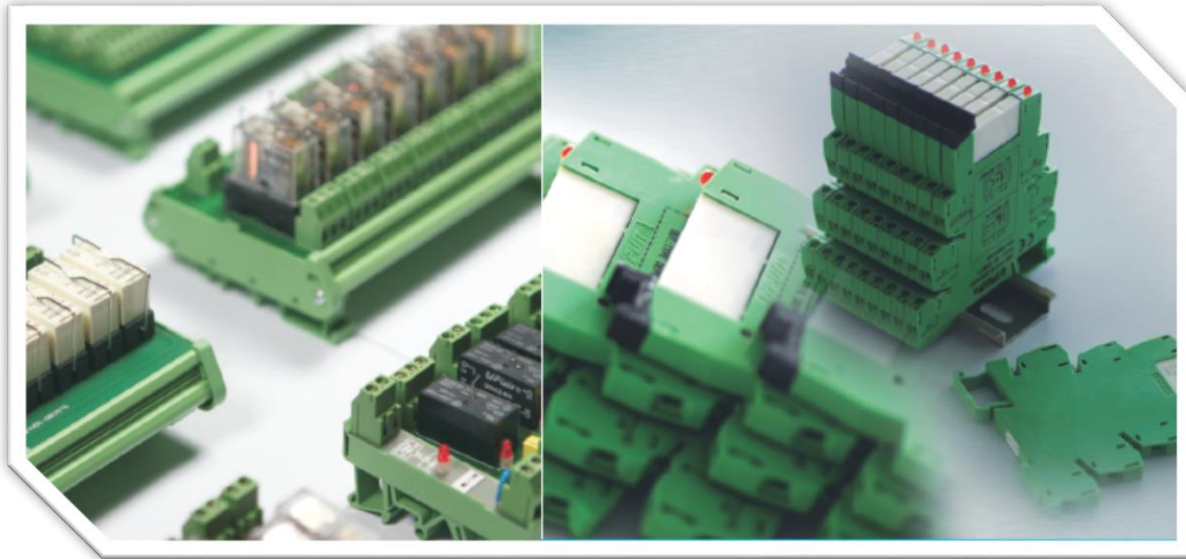


UDK2-RII 24Vac/dc  
2 change-over



UDK2-RII 110Vac/dc  
2 change-over





## SURGE PROTECTION DEVICES

SPD for power supply system  
UB01-D/□-275-10



SPD for power supply system  
UB01-D/□-385-10



SPD for power supply system  
UB01-C/□-550-40



SPD for power supply system  
UB01-C/□-600-40



## Surge protective device



### Type

U	B0	1	B	/	4	-	385	-	60
Company code	SPD	Design no.	Lighting protection grade B C D		1P 2P 3P 4P 1+1P 2+1P 3+1P		Max. continuous operating voltage 275V 320V 385V 420V		I <sub>max</sub> 60KA 40KA 25KA 10KA

U	B0	4	150	/	4	-	385
Company code	SPD	Design no. 2.G as-filled surge arrester 4.Varistor	I <sub>max</sub> 150KA 100KA 80KA 60KA		1P 2P 3P 4P 1+1P 2+1P 3+1P		Max. continuous operating voltage 275V 320V 385V 420V