

LUTZE Interface Switching Products

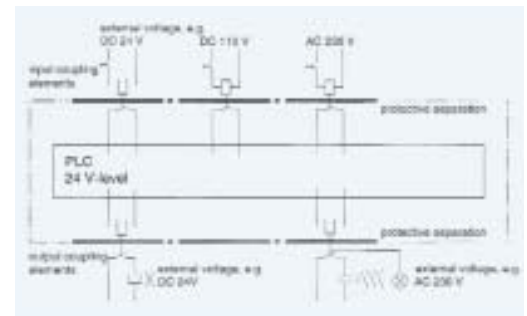


Applications

Lutze Interface switching products have been designed to give optimal performance and at the same time provide space savings when building control panels. All products include input suppression and supply indication.

Lutze Switching products can be used as an interface between the electronic control (programmable controllers, CNC, IPC, DDC) and peripheral devices such as sensors (eg. position switches) or actuators (eg. switchgear). In addition, the controller is protected against interference and overvoltage. Interface elements can thus be used for:

- Electrical isolation
- Power amplification (ie. small PLCs having 0.5A outputs).
- Voltage level adjustment



Relay Interface Units

Advantages

- suitable for both alternating and direct current
- high switching capacity without heat generation
- almost no contact resistance (suitable as a measured data change-over switch)
- electrical isolation
- protective separation between the contacts and coil
- no leakage currents
- high electromagnetic compatibility
- high immunity to interference
- not sensitive to overloading and voltage peaks
- several switching levels

Disadvantages

- low operating frequency
- contact erosion
- coil inductance (interference)
- mechanical wear (service life)
- low d.c. switching capacity
- contact bounce time

Semiconductor Interface Units

Advantages

- high operating frequencies
- high d.c. switching capacity
- long service life
- bounce-free switching
- immunity to vibration and shock loads
- defined contact / volume resistance

Disadvantages

- high heat generation at greater loads
- no complete separation between input and output
- leakage currents at output
- electrical isolation only with optocoupler
- sensitivity to voltage peaks in the network
- not suitable as measured data change-over switch because of voltage drop at switching transistor

LUTZE Interface Switching Products

Mini Compact



Mini Compact (Wider Housing)



Micro Compact



PART NO.	TYPE
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WIRING COMBS

760801	24 POLE
760811	40 POLE

For 6.2mm Microcompact products.
Ideal for connecting OV connections

PART NO.	INPUT VOLTAGE DC	OUTPUT VOLTS/AMPS	SWITCHING ELEMENT	HSG SIZE(mm)			HOUSING STYLE
				W	H	L	

RELAY INTERFACE MODULES

760022	24	250AC/DC 6A	CHANGEOVER	6	79	84	Micro Compact
730711	24	250AC/DC 5A	NORMALLY OPEN	11.5	70	60	Mini Compact
760026	110V AC	250AC/DC 6A	CHANGEOVER	6	79	84	Micro Compact
760027	230V AC	250AC/DC 6A	CHANGEOVER	6	79	84	Micro Compact
760222	24	250AC/DC 6A	CHANGEOVER	6	79	84	Micro Compact Low Level Switching typically 1mA

Micro Compact modules are available with case clamp terminals.

High Current



Mini Compact



Mini Compact (Wider Housing)



Micro Compact



PART NO.	INPUT VOLTAGE DC	OUTPUT VOLTS/AMPS	SWITCHING ELEMENT	HSG SIZE(mm)			HOUSING STYLE
				W	H	L	

SOLID STATE INTERFACE MODULES

760102	24	30V/1.7A	Transistor	6	79	84	Micro Compact
730801	24	60V/1.5A	Transistor	11.5	70	60	Mini Compact
760105	24	30V/5A	Transistor	12.5	79	84	Micro Compact
730814	24	250VAC/1.5A	Triac	11.5	70	60	Mini Compact
730600	24	250VAC/4A	Triac	25	90	95	Mini Compact (Wider)
716080	24	660VAC/25A	Triac	22.5	98	103	High Current
716110	24	660VAC/35A	Triac	45	98	103	High Current
716132	110/230	660VAC/25A	Triac	90	98	103	High Current

See Lutze Catalogue 3: Interface Technology for complete range and specifications.