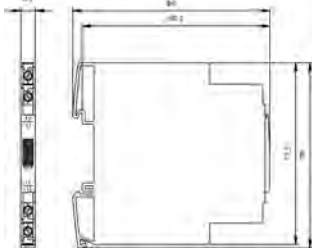


# Interface Technology · Microcompact Solid State Relay

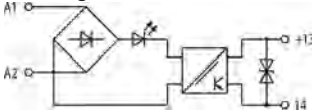
Semiconductor relay, 2-conductor technology  
 Switching element DC 30 V, 100 mA, wide-range input  
 Screw-/ Spring terminal



## Dimensions



## PIN assignment



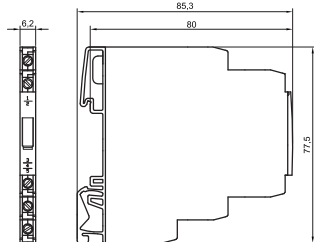
Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	AC/DC 110–230 V	760307	OT 6-0307 AC/DC 110–230 V	5
<b>Spring terminal</b>				
Nominal voltage	AC/DC 110–230 V	761307	OT 6-1307 AC/DC 110–230 V	5
<b>Input</b>				
<b>AC/DC 110–230 V</b>				
Input voltage range	77.0 – 253.0 V			
Rated current	6.0 mA			
Interrupting voltage	<20 V			
Protection device	Suppressor diode			
Status Indication	LED yellow			
Rated frequency	50–60 Hz			
<b>Output</b>				
Switching element	Transistor, N/O contact			
Min. switching voltage	DC 10 V			
Max. switching voltage	DC 30 V			
Min. switching current	DC 1 mA			
Max. switching current	DC 100 mA			
Inrush current	–			
Leakage current	–			
Switch-on delay	8 ms			
Switch-off delay	10 ms			
Switching frequency	–			
Clearance/creep. dist. (contol/load side)	>5.5 mm			
Protection device output	Suppressor diode			
<b>General</b>				
Housing material	PPE			
Protection class	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	0.5 kV <sub>eff</sub>			
Safe isolation	Yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 79.0 × 84.0 mm			
Weight (kg/piece)	0.030			
Approvals	cULus			
Termination	Screw-/spring terminal 0.25–2.5 mm <sup>2</sup>			
<b>Accessories</b>				
Jumper comb 24-pin, 26 A	blue	760801	BK 6-0801	5
tag holder 4×11 mm	white	681313	BZT-0411	100

# Interface Technology · Microcompact Solid State Relay

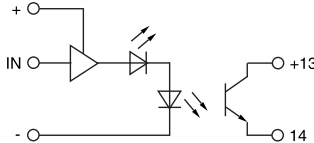
Semiconductor relay, 2-conductor technology  
 Switching element DC 48 V, 0.5 A, 20 kHz  
 Screw terminal



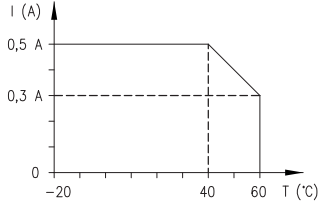
## Dimensions



## PIN assignment



## Derating



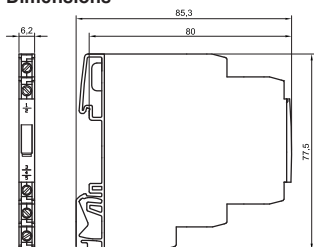
Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	762082	OT 6-2082 DC 24 V	
<b>Input</b>				
<b>DC 24 V</b>				
Input voltage range	4.2 – 30.0 V			
Rated current	0.1 mA			
Interrupting voltage	<2.7 V			
Protection device	Suppressor diode			
Status Indication	LED yellow			
Rated frequency	–			
<b>Output</b>				
Switching element	Transistor, N/O contact			
Min. switching voltage	DC 5 V			
Max. switching voltage	DC 48 V			
Min. switching current	DC 10 mA			
Max. switching current	DC 500 mA (Derating)			
Inrush current	–			
Leakage current	–			
Switch-on delay	12 µs			
Switch-off delay	12 µs			
Switching frequency	<20 kHz			
Clearance/creep. dist. (contol/load side)	>4.5 mm			
Protection device output	Suppressor diode			
<b>General</b>				
Housing material	PPE			
Protection class	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	3.8 kV <sub>eff</sub>			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 78.0 × 86.0 mm			
Weight (kg/piece)	0.029			
Approvals	–			
Termination	Screw terminal: 0.25–2.5 mm <sup>2</sup>			
<b>Accessories</b>	<b>Colour</b>	<b>Article number</b>	<b>Type</b>	<b>PU</b>
Jumper comb 24-pin, 26 A	blue	760801	BK 6-0801	5
Tag holder 4×11 mm	white	681313	BZT-0411	100

# Interface Technology · Microcompact Solid State Relay

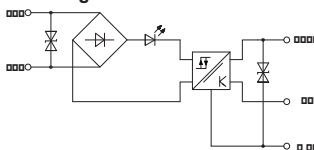
Semiconductor relay, 3-conductor, positive switching  
 Switching element DC 30 V, 1.7 A, short circuit-proof  
 Screw-/ Spring terminal



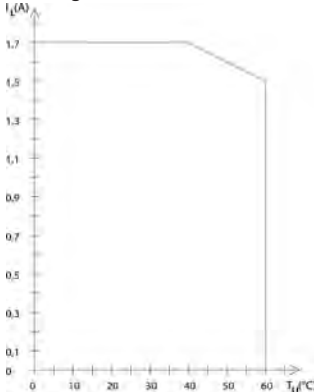
## Dimensions



## PIN assignment



## Derating



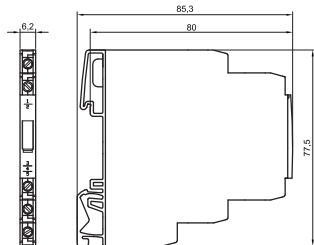
Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760102	OT 6-0102 DC 24 V	3
<b>Spring terminal</b>				
Nominal voltage	DC 24 V	761102	OT 6-1102 DC 24 V	3
<b>Input</b>				
<b>DC 24 V</b>				
Input voltage range	10.0 – 30.0 V			
Rated current	7.0 mA			
Interrupting voltage	<9 V			
Protection device	Suppressor diode			
Status Indication	LED yellow, short circuit red			
Rated frequency	–			
<b>Output</b>				
Switching element	Transistor, NO contact – short circuit-proof (autostart)			
Min. switching voltage	DC 10 V			
Max. switching voltage	DC 30 V			
Min. switching current	DC 1 mA			
Max. switching current	DC 1.7 A (Derating)			
Inrush current	–			
Leakage current	–			
Switch-on delay	220 µs			
Switch-off delay	200 µs			
Switching frequency	<2 kHz			
Clearance/creep. dist. (control/load side)	>5.5 mm			
Protection device output	Suppressor diode			
<b>General</b>				
Housing material	PPE			
Protection class	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 78.0 × 86.0 mm			
Weight (kg/piece)	0.030			
Approvals	cULus			
Termination	Screw-/spring terminal 0.25–2.5 mm <sup>2</sup>			
<b>Accessories</b>				
Jumper comb 24pole, 26A	blue	760801	BK 6-0801	5
Tag holder 4×11 mm	white	681313	BZT-0411	100

# Interface Technology · Microcompact Solid State Relay

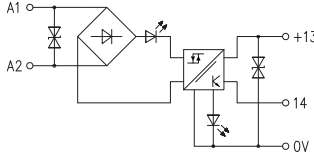
**Semiconductor relay, 3-conductor, positive switching**  
**Switching element DC 30 V, 5 A, short circuit-proof**  
**Screw-/ Spring terminal**



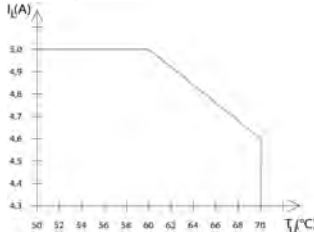
## Dimensions



## PIN assignment



## Derating



Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760103	OT 6-0103 DC 24 V	3
<b>Spring terminal</b>				
Nominal voltage	DC 24 V	761103	OT 6-1103 DC 24 V	3
<b>Input</b>				
<b>DC 24 V</b>				
Input voltage range	10.0 – 30.0 V			
Rated current	7.0 mA			
Interrupting voltage	<9 V			
Protection device	Suppressor diode			
Status Indication	LED yellow, short circuit and wire breakage: LED red "ON" at I < 0.5 A, I > 5 A			
Rated frequency	–			
<b>Output</b>				
Switching element	Transistor, NO contact – short circuit-proof (autostart)			
Min. switching voltage	DC 10 V			
Max. switching voltage	DC 30 V			
Min. switching current	DC 1 mA			
Max. switching current	DC 5 A (Derating)			
Inrush current	–			
Leakage current	–			
Switch-on delay	220 µs			
Switch-off delay	200 µs			
Switching frequency	<2 kHz			
Clearance/creep. dist. (contol/load side)	>5.5 mm			
Protection device output	Suppressor diode			
<b>General</b>				
Housing material	PPE			
Protection class	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 78.0 × 86.0 mm			
Weight (kg/piece)	0.030			
Approvals	–			
Termination	Screw-/spring terminal 0.25–2.5 mm <sup>2</sup>			
<b>Accessories</b>				
Jumper comb 24-pin, 26 A	Colour	Article number	Type	PU
Tag holder 4×11 mm	white	681313	BZT-0411	100

# Interface Technology · Microcompact Solid State Relay

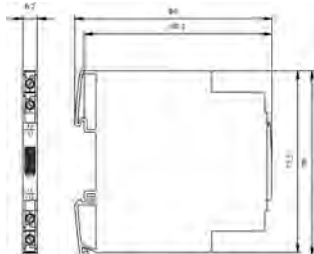
## Semiconductor relay, 2-conductor technology

Switching element DC 48 V, 0.5 A

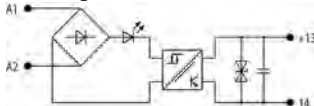
Screw-/ Spring terminal



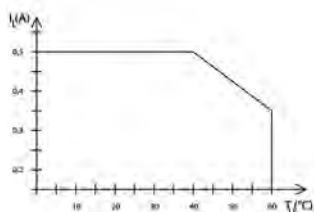
### Dimensions



### PIN assignment



### Derating



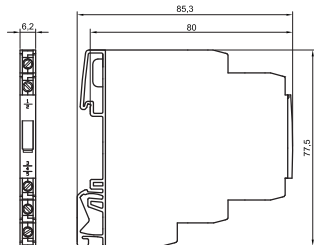
Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760101	OT 6-0101 DC 24 V	10
<b>Spring terminal</b>				
Nominal voltage	DC 24 V	761101	OT 6-1101 DC 24 V	10
<b>Input</b>				
<b>DC 24 V</b>				
Input voltage range	11.0 – 30.0 V			
Rated current	18.0 mA			
Interrupting voltage	<6 V			
Protection device	Reverse voltage protection			
Status Indication	LED yellow			
Rated frequency	–			
<b>Output</b>				
Switching element	Transistor, N/O contact			
Min. switching voltage	DC 6 V			
Max. switching voltage	DC 48 V			
Min. switching current	DC 10 mA			
Max. switching current	DC 0.5 A (Derating)			
Inrush current	–			
Leakage current	–			
Switch-on delay	2 ms			
Switch-off delay	6 ms			
Switching frequency	max. 50 Hz			
Clearance/creep. dist. (contol/load side)	>5.5 mm			
Protection device output	Suppressor diode			
<b>General</b>				
Housing material	PPE			
Protection class	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 78.0 × 80.0 mm			
Weight (kg/piece)	0.029			
Approvals	cULus			
Termination	Screw-/spring terminal 0.25–2.5 mm <sup>2</sup>			
<b>Accessories</b>				
Jumper comb 24-pin, 26 A	blue	760801	BK 6-0801	5
Tag holder 4×11 mm	white	681313	BZT-0411	100

# Interface Technology · Microcompact Solid State Relay

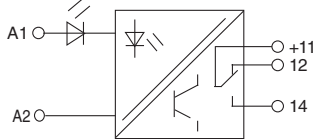
**Semiconductor relay, 3-conductor, positive switching**  
**Switching element DC 48 V, 0.5 A, changeover function**  
**Screw terminal**



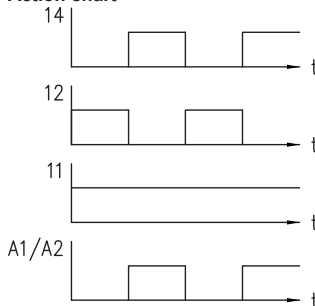
## Dimensions



## PIN assignment



## Action chart



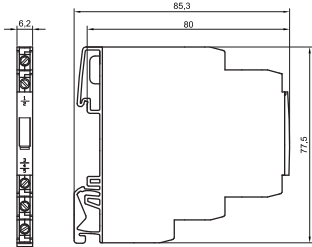
Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	762083	OT 6-2083 DC 24 V	
<b>Input</b>				
<b>DC 24 V</b>				
Input voltage range	10.0 – 40.0 V			
Rated current	6.0 mA			
Interrupting voltage	11 V/11 V			
Protection device	Suppressor diode			
Status Indication	LED yellow			
Rated frequency	–			
<b>Output</b>				
Switching element	Transistor NPN / PNP, change over contact			
Min. switching voltage	DC 5 V			
Max. switching voltage	DC 48 V			
Min. switching current	DC 10 mA			
Max. switching current	DC 500 mA			
Inrush current	–			
Leakage current	–			
Switch-on delay	20 µs			
Switch-off delay	100 µs			
Switching frequency	<1 kHz			
Clearance/creep. dist. (contol/load side)	>4.5 mm			
Protection device output	Suppressor diode			
<b>General</b>				
Housing material	PPE			
Protection class	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	3.8 kV <sub>eff</sub>			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 78.0 × 86.0 mm			
Weight (kg/piece)	0.029			
Approvals	–			
Termination	Screw terminal: 0.25–2.5 mm <sup>2</sup>			
<b>Accessories</b>	<b>Colour</b>	<b>Article number</b>	<b>Type</b>	<b>PU</b>
Jumper comb 24-pin, 26 A	blue	760801	BK 6-0801	5
Tag holder 4×11 mm	white	681313	BZT-0411	100

# Interface Technology · Microcompact Solid State Relay

## Semiconductor relay, 2-conductor technology Switching element AC 250 V, 1 A Screw terminal



Dimensions



Description	Part-No.	Type	PU
<b>Screw terminal</b>			
Nominal voltage	DC 24 V	762056	OT 6-2056 AC 230 V
<b>Input</b>			
<b>DC 24 V</b>			
Input voltage range	19.2 – 30.0 V		
Rated current	18.0 mA		
Interrupting voltage	<12 V		
Protection device	Reverse voltage protection		
Status Indication	LED yellow		
Rated frequency	–		
<b>Output</b>			
Switching element	Triac, N/O contact		
Min. switching voltage	AC 18 V		
Max. switching voltage	AC 240 V		
Min. switching current	AC 5 mA		
Max. switching current	AC 1 A		
Inrush current	–		
Leakage current	–		
Switch-on delay	0.1 ms		
Switch-off delay	10 ms		
Switching frequency	<20 Hz		
Clearance/creep. dist. (control/load side)	>5.5 mm		
Protection device output	–		
<b>General</b>			
Housing material	PPE		
Protection class	IP 20		
Field installation	rail TS 35 (EN 50022)		
Insulation voltage input/output	4.0 kV <sub>eff</sub>		
Safe isolation	yes		
Operation temperature range	-25 °C – 70 °C		
Storage temperature range	-40 °C – 80 °C		
Dimensions (w × h × d)	6.2 × 78.0 × 86.0 mm		
Weight (kg/piece)	0.029		
Approvals	–		
Termination	Screw terminal: 0.25–2.5 mm <sup>2</sup>		
<b>Accessories</b>			
Jumper comb 24-pin, 26 A	Colour	Article number	Type
tag holder 4×11 mm	white	681313	BK 6-0801
			BZT-0411
			5
			100