

# K1T/K2T

## overview

- ◆ interface relay with photomos output
- ◆ wide voltage range (different ranges)
- ◆ 10kHz bandwidth
- ◆ LED indicators
- ◆ protected against incorrect polarity
- ◆ K1T - one line coupler
- ◆ K2T - two line couplers
- ◆ 22.5mm DIN rail mount housing



## specification

<b>supply voltage</b>	nominal voltage $\pm 10\%$
<b>duty cycle</b>	100%
<b>protection circuit</b>	VDR
<b>voltage deviation</b>	$\pm 20\%$ (duration of deviation less than 5s, no output change)
<b>turn-on time</b>	
DC-version	$< 10\mu\text{s}$
AC/DC-version	$< 20\text{ms}$
<b>turn-off time</b>	
DC-version	$< 40\mu\text{s}$
AC/DC-version	$< 40\text{ms}$
<b>isolation voltage</b>	2,5kV
<b>on-state voltage</b>	$< 3\text{V}$
<b>output voltage range</b>	24Vac/dc.. 230Vac/dc
<b>max. load current</b>	500mA ac/dc
<b>output</b>	photomos
<b>screws</b>	pozidrive 1
<b>screw tightening torque</b>	0,6...0,8Nm
<b>operating conditions</b>	-20 bis +60 °C no condensing

\* EN 60947-5-1 VDE 0435

## ordering information

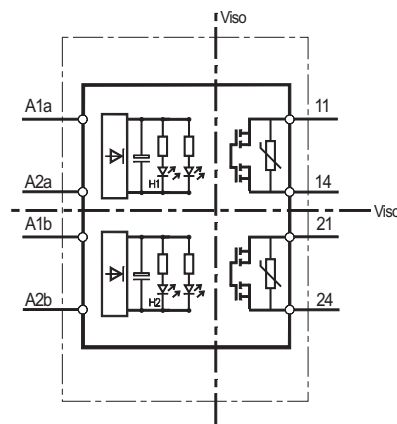
part no	input	Ri*	Icont*	(Uout · Iout)MAX@f	f@MAX(Uout · Iout)	housing type
<b>K1T 12Vdc..30Vdc</b>	12V~..30V=	1,5k $\Omega$	$< 8\text{mA}$	(230V*500mA)@1Hz	10.000Hz@(230V*40mA)	B
<b>K1T 12Vac/dc..30Vac/dc</b>	12V~/=..30V~/=	1,5k $\Omega$	$< 8\text{mA}$	(230V*500mA)@1Hz	5Hz@(230V*100mA)	B
<b>K1T 24Vac/dc..230Vac/dc</b>	24V~/=..230~/=	6,0k $\Omega$	$< 21\text{mA}$	(230V*500mA)@1Hz	5Hz@(230V*100mA)	B
<b>K2T 12Vdc..30Vdc</b>	12V~..30V=	1,5k $\Omega$	$< 8\text{mA}$	(230V*500mA)@1Hz	10.000Hz@(230V*40mA)	B
<b>K2T 12Vac/dc..30Vac/dc</b>	12V~/=..30V~/=	1,5k $\Omega$	$< 8\text{mA}$	(230V*500mA)@1Hz	5Hz@(230V*100mA)	B
<b>K2T 24Vac/dc..230Vac/dc</b>	24V~/=..230V~/=	6,0k $\Omega$	$< 21\text{mA}$	(230V*500mA)@1Hz	5Hz@(230V*100mA)	B

other voltage on request

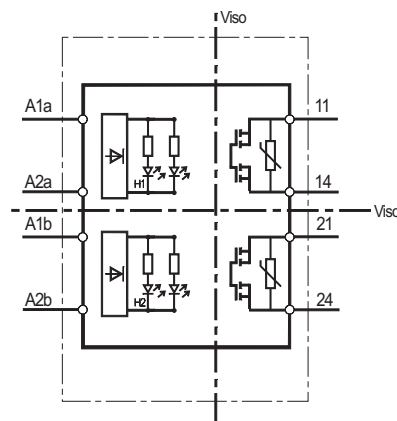
\* Ri = power-on input resistance

\* Icont = current through input pin after 5 sec

K2T xxac/dc



K2T xxdc



interface relay with photomos output

