



KL2692 | Cycle monitoring terminal (watchdog)

The KL2692 Bus Terminal monitors a bit that is toggled by the controller during each cycle. If the toggle signal fails, the controller switches off two potential-free relay circuits in order to prevent damage to the machine. Failure of the toggle signal may be caused by the PLC cycle stopping, by a fault in the bus cable or connector, or by a fault in a bus device. The cycle monitoring time can be parameterised. The Bus Terminal has an enable input that enables the relay to be switched on if a correct toggle signal is detected.

Technical data	KL2692 KS2692
Connection technology	2-wire
Number of outputs	2 potential-free relay outputs (normally-open contacts)
Number of inputs	2 digital 24 V inputs
Rated load voltage	30 V DC
Max. output current	3 A per channel
Ohmic switching current	5 A AC/DC per channel
Inductive switching current	2 A AC/DC per channel
Minimum permitted load	10 mA at 5 V DC
Electrical isolation	500 V (K-bus/field potential)
Current consumption power contacts	–
Current consumption K-bus	typ. 165 mA
Bit width in the process image	2 x 8 bit data, 1 x 8 bit control/data
Operating cycles mech. (min.)	2 x 10 ⁷
Operating cycles electr. (min.)	1 x 10 ⁵ (5 A/30 V DC)
Configuration	via the Bus Coupler or the controller
Weight	approx. 60 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL



Product announcement

KL2692: available
KS2692: estimated market release on request