

2.2.1 Technical data

Technical data	KL2612 / KS2612
Number of outputs	2 x change-over
Contact material	Gold-plated silver alloy
Nominal voltage	125 V _{AC} / 30 V _{DC}
Load type	ohmic
Max. output current	2 A per channel
Maximum switching capacity with ohmic load	Alternating voltage: 0.5 A / 125 V _{AC} Direct voltage: 2 A / 30 V _{DC}
Minimum permitted load (guide value)	10 µA at 10 mV
Response times with nominal load	Max. response time 4 ms Max. release time 4 ms Max. bounce time 4 ms
Lamp load, control gear	Max. input inrush current 2 A
Electrical isolation	500 V (K-bus / field voltage)
K-Bus current consumption	60 mA
Bit width in process image	2 outputs
Switching cycles mech. (min.)	1 x 10 ⁸ switching operations
Switching cycles electr. (min.)	10 ⁵ switching operations, ohmic load at 30 V _{DC} , 2 A or 125 V _{AC} , 0.5 A
Permitted switching frequency at maximum contact load	20 switching operations/min
Contact resistance max. (new)	< 40 mOhm
Insulation resistance (min.)	100 MOhm at 500 V _{DC}
Test voltage between open contacts	750 V (1 min. between open contacts)
Configuration	no address or configuration settings required
Special features	Signal relay
Pluggable wiring	for all KSxxxx terminals
Weight	approx. 80 g
Dimensions (W x H x D)	15 mm x 100 mm x 70 mm (width aligned 12 mm)
Mounting [► 27]	on 35 mm mounting rail conforms to EN 60715
Permissible ambient temperature during operation	0 °C ... +55 °C
Permissible ambient temperature during storage	-25 °C ... +85 °C
Permissible 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
Installation position	variable
Protection class	IP20
Approvals / markings*	CE, UKCA, cULus, EAC, DNV

*) Real applicable approvals/markings see type plate on the side (product marking).