



KL2791 | 1-channel AC motor speed controller 230 V AC, 200 VA

The KL2791 AC motor speed controller is designed for direct connection of different single-phase AC motors with small capacity. The KL2791 enables speed reduction of typical motors such as capacitor motors, universal motors and shaded-pole motors. The required output is specified via the process data. The output setting matches respective output value through targeted on and off switching at optimised times. This technique is particularly suitable for drives with quadratic load characteristic such as fans and pumps.

Technical data	KL2791 KS2791
Connection technology	direct motor connection
Number of outputs	1 motor
Mains voltage	230 V AC
Rated output	≤ 200 VA
Load type	1-phase AC motors
Max. output current	0.9 A
Control type	phase/full wave control
Resolution	1 %
Reverse voltage protection	no
Electrical isolation	500 V (K-bus/field voltage), 3,750 V AC (1 min.)
Leakage current (OFF state)	< 1 mA
Current consumption power contacts	only load
Current consumpt. K-bus	typ. 95 mA
Bit width in the process image	output: 1 x 16 bit data (1 x 8 bit control/status optional)
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/see documentation
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE

Special terminals	
KL2791-0011	1-channel AC motor speed controller, 230 V AC, 200 VA, max. 0.9 A, without power contacts
KL2791-1200	1-channel AC motor speed controller, 120 V AC, 100 VA