



Top view

## KL9020 | Terminal bus extension, end terminal

The KL9020 is attached to the end of the Bus Terminal block in the same way as the standard terminal KL9010 and terminates the terminal block. The KL9020 enables the connection of an Ethernet cable with a RJ45 plug. The K-bus signals are converted to RS485. Power to the KL9020 electronics is supplied via the K-bus. The KL9020 forms a properly working unit together with at least one KL9050. Apart from a supply voltage of 24 V and the insertion of the Ethernet cable, there is no further parameterisation or configuration work necessary. The Bus Coupler carries out all diagnosis and commissioning tasks.

Technical data	KL9020
Number of coupler terminals	up to 31 KL9050
Current load	–
Power LED	–
Defect LED	–
Type/number of peripheral signals	Bus Coupler dependency
Max. number of bytes fieldbus	Bus Coupler dependency
Distance between stations	max. 5 m between KL9020 and KL9050
Bus interface	1 x RJ45 socket
Starting current	–
Current consumpt. K-bus	typ. 70 mA
Current supply K-bus	–
Power contacts	24 V DC max./10 A max.
Nominal voltage	–
Electrical isolation	500 V (power contact/supply voltage/K-bus)
Configuration possibility	none, automatic
PE contact	–
Shield connection	–
Electrical connection to DIN rail	–
Special features	end terminal for K-bus extension
Weight	approx. 45 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
Approvals	CE, UL, Ex, GL