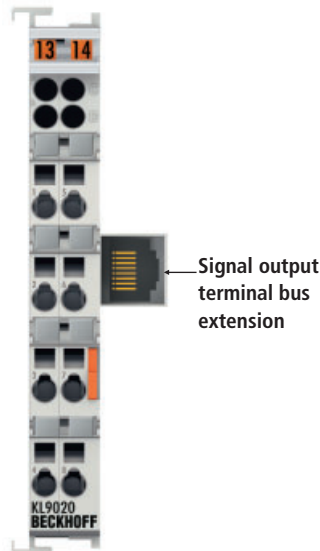
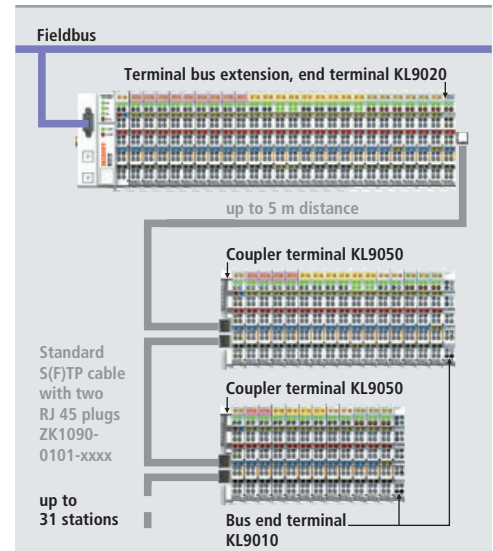




Top view



## 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 RJ 45 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                                                      |
| 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 RJ 45 socket                                                     |
| Current consumption K-bus         | 70 mA                                                                |
| Power contacts                    | 24 V DC max./10 A max.                                               |
| Electrical isolation              | 500 V <sub>rms</sub> (power contact/supply voltage/K-bus)            |
| Configuration possibility         | none, automatic                                                      |
| Weight                            | 85 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 60068-2-27/29                            |
| EMC immunity/emission             | conforms to EN 61000-6-2/EN 61000-6-4                                |
| Protect. class/installation pos.  | IP 20/variable                                                       |
| Further information               | <a href="http://www.beckhoff.com/KL9020">www.beckhoff.com/KL9020</a> |