

B&R - X20 System

X20CS1030

RS485/RS422 Communication Module**Technical specifications**

Serial interface	1 × RS485/RS422
Connection	X20TB12 12-pin terminal block
Maximum transfer rate	115.2 kbit/s
Maximum distance	1200 m
RS485 station count	Maximum 32 stations
RS422 receiver count	Maximum 10 receivers
FIFO buffer	1 kB
Terminating resistor	Integrated
Controller	16C550-compatible UART
Electrical isolation	RS485/RS422 isolated from bus and I/O power supply
Required terminal block	X20TB06 or X20TB12, ordered separately
Compatible bus modules	X20BM11 or X20BM15, ordered separately
Module pitch	12.5 mm +0.2 mm
Degree of protection	IP20

Documented role

B&R X20CS1030 is an isolated RS485/RS422 communication module with an integrated terminating resistor for remote serial devices for the X20 System.

Documented applications

- Connecting RS485 multidrop serial devices to an X20 station
- Connecting RS422 remote devices and multiple receivers
- Long-distance serial integration of complex field equipment

Selection and installation checks

X20CS1030 provides one isolated RS485/RS422 channel; verify serial mode, baud and frame settings, station count, topology, integrated termination, grounding, terminal block, bus module, and device protocol before replacement.