

MIREL BBC communication gateway

Type **BBC**

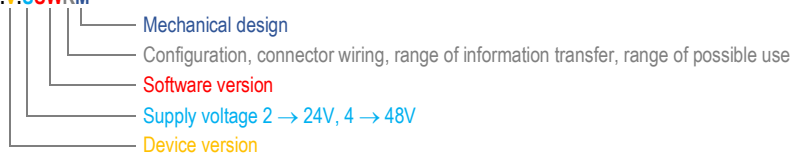
illustrative picture

Communication gateway MIREL BBC is an intelligent communication interface between MIREL system, with the BMSP communication protocol and another cooperating system. Communication port enables communication with cooperating systems communicating on interface of CAN/RS485/RS422 type. Depending on specific modification, a port can have a single or a pair of mutually electrically separated communication channels. Communication protocol on external communication lines is chosen depending on specific application.



Nomenclature

BBC.V.USWKM



Modification

| Designation | Supply voltage [VDC] | Software version | Configuration ¹⁾ | Mechanical design | Modification of construction system | Weight [kg] | Notes |
|--------------------|----------------------|------------------|-----------------------------|-------------------|-------------------------------------|-------------|-------|
| BBC.1.201AL | 24 | 01 | A | L | 09A | 1,10 | |
| BBC.1.202BL | 24 | 02 | B | L | 05A | 0,80 | |
| BBC.1.202DL | 24 | 02 | D | L | 09A | 1,00 | |
| BBC.1.402FL | 48 | 02 | F | L | 05A | 0,80 | |
| BBC.1.402GL | 48 | 02 | G | L | 05A | 0,80 | |

¹⁾ Configuration, connector wiring, range of information transfer, range of possible use

Modifications prepared for new applications

| Designation | Supply voltage [VDC] | Software version | Configuration ¹⁾ | Mechanical design | Modification of construction system | Weight [kg] | Notes |
|--------------------|----------------------|------------------|-----------------------------|-------------------|-------------------------------------|-------------|-------|
| BBC.1.402EL | 48 | 02 | E | L | 05A | 0,80 | WF863 |

¹⁾ Configuration, connector wiring, range of information transfer, range of possible use

Configuration, connector wiring, range of information transfer, range of possible use

| Designation | Channel count | BMSP Version | Count of CAN ext. lines | Count of RS485 ext. lines | Connector count | Lines transition |
|-------------|---------------|--------------|-------------------------|---------------------------|-----------------|------------------|
| A | 2 | 2 | 2 | 0 | 4 | ✓ |
| B | 1 | 2 | 0 | 1 | 2 | - |
| C | 1 | 2 | 1 | 0 | 4 | ✓ |
| D | 1 | 2 | 1 | 1 | 4 | ✓ |
| E | 1 | 2 | 0 | 1 | 3 | ✓ |
| F | 1 | 2 | 0 | 1 | 3 | - |
| G | 1 | 1 | 0 | 1 | 3 | ✓ |

Mechanical design

| Designation | Construction system | Modification of construction system | Assembly |
|-------------|---------------------|-------------------------------------|----------|
| L | BOXTUG | 05A / 09A | left |
| P | BOXTUG | 05A / 09A | right |
| U | BOXKOG | 05 / 09 | - |

Specifications

Catalogue Sheet has been prepared based on following specifications:

| Number | Version | Title |
|---------|---------|---|
| 1406M | 210504 | MIREL BBC Conditions of use |
| 1598RM1 | 190515 | MIREL RM1 Installation Manual |
| 1992RM2 | 200813 | MIREL RM2 Installation Manual |
| 1068M | 170516 | BOXTUG Installation conditions |
| 2468M | 221122 | BOXKOG Installation conditions |
| 1407M | 121217 | MIREL BBC Maintenance manual, Diagnostics |

Usage

MIREL RM1 – registration speedometer

MIREL RM2 – integrated on-board system



Modifications not recommended for new applications

| Designation | Supply voltage VDC] | Software version | Configuration ¹⁾ | Mechanical design | Structural system modification | Replacement |
|--------------------|------------------------|---------------------|-----------------------------|-------------------|-----------------------------------|---------------------------|
| BBC.1.201BL | 24 | 01 | B | L | 05A | BBC.1.202BL ²⁾ |
| BBC.1.201CL | 24 | 01 | C | L | 09A | BBC.1.202DL ²⁾ |

¹⁾ Configuration, connector wiring, range of information transfer, range of possible use

²⁾ Replacement with limitation