

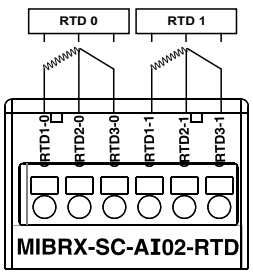
Features :

- **Plug-in module**
- **Easy to connect and replace in all MiBRX base modules**
- **Configured via Selpro software**
- **Spring fit terminals**

Technical specifications

	MIBRX-SC-AI02-RTD	MIBRX-SC-AI02-RTD-P	MIBRX-SC-AI02-RTD-ISO
Connector type	Fixed	Pluggable	Fixed
No. of channels	2		
Sensor type	PT100		
Measurement range (DC)	As per sensor selection		
Type of input	Non-diffrential		Diffrential
Resolution	0.1 °C		
Digital resolution	12 bits		
Input impedance in signal range (Ohms)	>510K		
Analog input error at 25 °C	±0.25% of full scale ±1 °C		
Non linearity	±0.25% of full scale ±1 °C		
Conversion time	<100mS		
Channel isolation	Yes		
Input isolation from PLC main module	Yes		
Under range value	<-100 °C		
Over range value	>850 °C		
Protection against polarity inversion	Yes		
Supply type	Self powered		
Ambient operating temperature	0 °C to 55 °C		
Ambient storage temperature	-20 °C to 70 °C		
Humidity	95%		

Terminal connection



Ordering information

	Description	Certification
MIBRX-SC-AI02-RTD	MiBRX slot card-2 analog inputs-RTD	CE
MIBRX-SC-AI02-RTD-P	MiBRX slot card-2 analog inputs-RTD with pluggable terminal	RoHS
MIBRX-SC-AI02-RTD-ISO	MiBRX slot card-2 analog inputs-RTD (Isolated)	RoHS



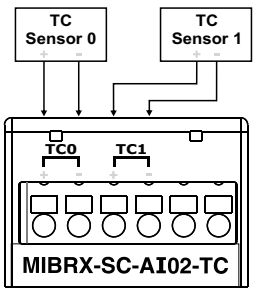
Features :

- **Plug-in module**
- **Easy to connect and replace in all MiBRX base modules**
- **Configured via Selpro software**
- **Spring fit terminals**

Technical specifications

	MIBRX-SC-AI02-TC	MIBRX-SC-AI02-TC-P	MIBRX-SC-AI02-TC-ISO
Connector type	Fixed	Pluggable	Fixed
No. of channels	2		
Sensor type	J, K, T, R, S, C, E, B, N, L, U, W, PLATINEL II, MILLIVOLT (-5 TO 65 mV)		
Measurement range (DC)	As per sensor selection		
Type of input	Non-diffrential		Diffrential
Resolution	TC: 0.1 °C/mV: 10uV		
Digital resolution	12 bits		
Input impedance in signal range (Ohms)	>330K		
Analog input error at 25 °C	±0.25% of full scale ± 1 °C		±0.25% of full scale
Non linearity	±0.25% of full scale		±0.25% of full scale ± 1 °C
Conversion time	<100ms		
Channel isolation	No		
Input isolation from PLC main module	No		Yes
Under range value	As per sensor selection		
Over range value	As per sensor selection		
Protection against polarity inversion	Yes		
Supply type	Self powered		
Ambient operating temperature	0 °C to 55 °C		
Ambient storage temperature	-20 °C to 70 °C		
Humidity	95%		

Terminal connection



Ordering information

	Description	Certification
MIBRX-SC-AI02-TC	MiBRX slot card-2 analog inputs-thermocouple	CE
MIBRX-SC-AI02-TC-P	MiBRX slot card-2 analog inputs-thermocouple with pluggable terminal	RoHS
MIBRX-SC-AI02-TC-ISO	MiBRX slot card-2 analog inputs-thermocouple (Isolated)	RoHS

Features:

- **Plug-in Module**
- **Flexible I/O Card Selection for customized applications**
- **Easy integration and replacement across all MiBRX base modules**
- **Equipped with spring-clamp terminals for secure and tool-free wiring**
- **Windows-Based Software for configuration in Ladder Programming**

Technical specifications

	MiBRX-SC-AO01-V/I *	MiBRX-SC-AO02-V-I-ISO	MiBRX-SC-AO02-V-ISO	MiBRX-SC-AO02-I-ISO
No. of Channels	1	2	2	2
Output Range	0-10V DC / 0-20 mA DC	CH0 - 0-10V DC, CH1 - 0-20mA DC	0-10V DC	0-20mA DC
Resolution	12 Bits			
Load Limit	0-10 VDC ≥ 1 kΩ, 0-20mA <= 500 Ω		0-10V DC ≥ 1 kΩ	0-20mA <= 500 Ω
Digital Resolution	0.0-100.0% = 0-10.000V DC, 0.0-100.0% = 0-20.000mA		0.0-100.0% = 0-10.000V DC	0.0-100.0% = 0-20.000mA
Conversion Time	100ms			
Isolation (CPU ↔ Output)	No	No		
Isolation (Output ↔ Output)	No			
Output Error @ 25°C	±0.25% of Full Scale			
Linearity	0.10%			
Weight	10 grams			
Mounting	Pluggable			
Terminal	Fixed, Spring fit*			
Dimensions in mm (WHD)	35 x 25 x 45			
Supply Voltage	Self Powered			

Note:

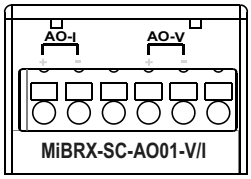
1. Refer to the IO card and base module compatibility guidelines to ensure effective and valid IO card combinations.

2. Use of RO and AO cards are limited in 230VAC variants. Mixed usages for RO/AO limits are auto-managed in Selpro settings or refer to product manual for details

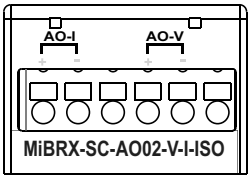
*3. *Pluggable terminal variants available*

Terminal connection

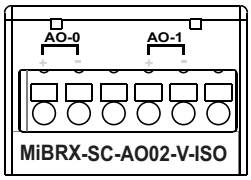
MiBRX-SC-AO01-V/I, MiBRX-SC-AO01-V/I-P



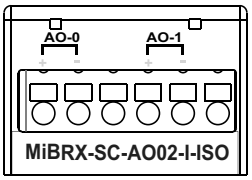
MiBRX-SC-AO02-V-I-ISO



MiBRX-SC-AO02-V-ISO



MiBRX-SC-AO02-I-ISO



Ordering information

MiBRX-SC-AO01-V/I	MiBRX Slot Card - 1 Analog Output (Voltage/Current)	CE
MiBRX-SC-AO01-V/I-P	MiBRX Slot Card - 1 Analog Output (Voltage/Current) - With Pluggable Terminals	RoHS
MiBRX-SC-AO02-V-I-ISO	MiBRX Slot Card - 2 Analog Outputs - 1 Voltage & 1 Current (Isolated)	RoHS
MiBRX-SC-AO02-V-ISO	MiBRX Slot Card - 2 Analog Outputs - Voltage (Isolated)	RoHS
MiBRX-SC-AO02-I-ISO	MiBRX Slot Card - 2 Analog Outputs Current (Isolated)	RoHS

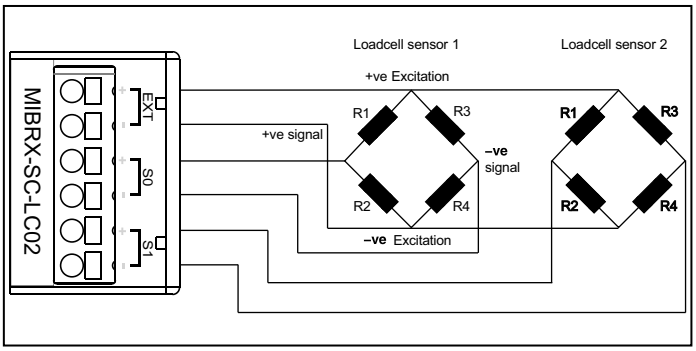
Features :

- **Plug-in module**
- **Easy to connect and replace in all MiBRX base modules**
- **Configured via Selpro software**
- **Spring fit terminals**

Technical specifications

Connector type	Fixed
No. of inputs	2
Conversion time	25 to 200 ms
Input type	Differential
Excitation output voltage	5V DC ±10%/50mA (Jumper selection) 9V DC ± 10%/50mA
Digital resolution	24bits
Ambient operating temperature	0 °C to 55 °C
Ambient storage temperature	-20 °C to 70 °C
Humidity	95%

Terminal connection



Ordering information

	Description	Certification
MIBRX-SC-LC02	MiBRX slot card-2 analog inputs -load cell (24 Bit)	CE

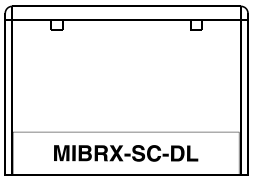
Features :

- **Plug-in module**
- **Easy to connect and replace in all MiBRX base modules**
- **Configured via Selpro software**
- **Spring fit terminals**

Technical specifications

Connector Type	Fixed
Memory Storage	2MB
Minimum Logging Interval Time	10 sec
Maximum No of Groups	15
Data Retention	20 years
In-Built RTC	Yes
Ambient Operating Temperature	0 °C to 55 °C
Ambient Storage Temperature	-20 °C to 70 °C
Humidity	95%

Terminal connection



Ordering information

MIBRX-SC-DL	MiBRX slot card-datalogging (2MB) & RTC

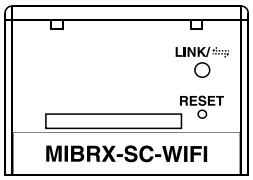
Features :

- **Plug-in module**
- **Easy to connect and replace in all MiBRX base modules**
- **Configured via Selpro software**

Technical specifications

Connector type	Fixed
Transmission distance	Upto 70 meters (in open area without obstructions)
LED type	Dual LED
Device default access	IP–192.168.4.1
Power consumption	≤ 1W
Network mode	Infrastructure / Ad-Hoc / Infrastructure and Ad-Hoc
Operating channel	1-11 (2.4GHz 802.11)
Network protocol	TCP/IP, DHCP, DNS, MQTT, Payload Rawhex, data format Json
Security	WPA=PSK and WPA2=PSK
Ambient operating temperature	0 °C to 55 °C
Ambient storage temperature	-20 °C to 70 °C
Humidity	95%

Terminal connection



Ordering information

	Description	Certification
MIBRX-SC-WIFI	MiBRX slot card-WIFI	CE

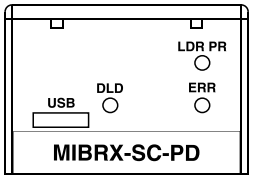
Features :

- **Plug-in module**
- **Easy to connect and replace in all MiBRX base modules**
- **Configured via Selpro software**

Technical specifications

Digital Input	
Connector Type	Fixed
Mode of Communication	UART
Mode of Communication With PC (Selpro)	USB (Micro USB B Type)
Number of Ladder That Can Be Stored	0-30V
Self Powered	Yes
Isolation Between Outputs	2.5kV
Ambient Operating Temperature	0 °C to 55 °C
Ambient Storage Temperature	-20 °C to 70 °C
Humidity	95%

Terminal connection



Ordering information

MiBRX-SC-PD	MiBRX Portable Downloader