

PRODUCT SELECTION GUIDE

selec®

PLCs



Micro Modular PLC System

Flexible IO PLCs

Fixed IO PLCs System

PLC Accessories

VFD & HMI



Variable Frequency Drives

Human Machine Interface

INDUSTRIAL POWER SUPPLY



Rail Mount

Surface Mount

Accessories

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14



2M
90(H) x 35(W) x 60(D)mm



4M
90(H) x 70(W) x 66.4(D)mm



6M
90(H) x 105(W) x 66.4(D)mm

FEATURES	• Flexible IO card selection with 2 slots • RTC with time switch functions (optional)		• Flexible IO card selection with 4 slots • Modbus expandable • RTC with time switch functions		• Flexible IO card selection with 6 slots • Modbus expandable • RTC with time switch functions	
	Micro modular PLC with pluggable displays					
DISPLAY TYPE	7 segment LED		LCD with blue backlight & white font	7 segment LED	LCD with blue backlight & white font	
DIGITS	4 red	1 red	2 lines x 8 characters (font size 5x7mm)	1 red	2 lines x 8 characters (font size 5x7mm)	
LED BANKS	6 red LED		...	6 red LED	...	
NO. OF KEYS	3 keys (2 user configurable)	1 key	5 keys (4 user configurable)	1 key	6 keys (5 user configurable)	
SUPPLY VOLTAGE	18 to 30V AC	18 to 30V DC	90 to 270V AC	18 to 30V DC	90 to 270V AC	18 to 30V DC
DIGITAL INPUTS	3		4+1*		10+1*	12/8
INPUT TYPE & RANGE	PNP (5-30V)					
FAST INPUT	1					2 / NA
MAXIMUM COUNTING FREQUENCY	5 kHz (PNP)					
ANALOG INPUT	As per slot I/O card		1 (voltage 0-10V)			
RESOLUTION	As per slot I/O card		12 bit			
DIGITAL OUTPUT	As per slot I/O card				4 relay	As per slot I/O card
TYPE AND RATING	As per slot I/O card				5A NO type @250V AC / 30V DC	As per slot I/O card
COMMUNICATION INTERFACE	RS485 MODBUS RTU protocol (slave)		RS485 MODBUS RTU protocol (master-slave)			RS485 MODBUS RTU-Protocol (master-slave), ETHERNET (slave / Master), USB (slave)
PROGRAM MEMORY	112kb		240kb			480kb
RTC	Optional		Yes			
PLUGGABLE DISPLAY MODULES	 MiBRX-DSP-2M-7-1-04-A	 MiBRX-DSP-2M-0-1-06-A	 MiBRX-DSP-4M-8-2-08-A	 MiBRX-DSP-4M-0-1-06-A	 MiBRX-DSP-6M-8-2-08-A	
ADAPTER PLATES FOR INDEPENDENT DISPLAY	 MiBRX-DSP-AP-2M		 MiBRX-DSP-AP-4M		 MiBRX-DSP-AP-6M	

*Digital input can be configured as analog input (0-10V)

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-2M-1-0-0-24VAC	MiBRX 2M PS-2 slots, 3DI, 24V AC	CE
MiBRX-2M-1-0-0-24VDC	MiBRX 2M PS-2 slots, 3DI (incl 1FI), 24V DC, NTC	CE
MiBRX-4M-1-1-1-230V	MiBRX 4M PS - 4 Slots, 5DI (incl 1FI, 1AI-V), NTC, RTC, Master, 230V AC	CE
MiBRX-4M-1-1-1-24VDC	MiBRX 4M PS-4 slots, 5DI (incl 1FI, 1AI-V), NTC, RTC, Master, 24V DC	CE
MiBRX-6M-1-1-1-230V	MiBRX 6M PS - 6 Slots, 11DI, (incl 1FI, 1AI-V) +4RO, NTC, RTC, Master, 230VAC	CE
MiBRX-6M-2-1-1-0-1-24VDC	MiBRX 6M PS-6 slots, 12DI, (incl 2FI, 1AI-V), with isolation, Master, ETHERNET & RTC, 24V DC	CE
MiBRX-6M-3-1-1-0-1-24VDC	MiBRX 6M Base module - Isolated 24VDC PS - 6 Slots, 8 DI, Master, ETHERNET (Slave & Master) & RTC	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-DSP-2M-7-1-04-A	MiBRX display 2M - 7 seg (4 digit), 6 LED	CE
MiBRX-DSP-2M-0-1-06-A	MiBRX display 2M - Blind, 6 LED	CE
MiBRX-DSP-4M-8-2-08-A	MiBRX display 4M - LCD text (8x2)	CE
MiBRX-DSP-4M-0-1-06-A	MiBRX display 4M - Blind, 6 LED	CE
MiBRX-DSP-6M-8-2-08-A	MiBRX display 6M - LCD text (8x2)	CE
MiBRX-DSP-AP-2M	MiBRX 2M adapter plate	CE
MiBRX-DSP-AP-4M	MiBRX 4M adapter plate	CE
MiBRX-DSP-AP-6M	MiBRX 6M adapter plate	CE



48 x 96
48(H) x 96(W) x 69(D)mm



72 x 72
72(H) x 72(W) x 71.35(D)mm



96 x 96
96(H) x 96(W) x 99.1(D)mm

FEATURES	• Flexible IO card selection with 2 slots • RTC with time switch functions (optional)		• Flexible IO card selection with 2 slots • RTC with time switch functions		• Flexible card selections with 6 slots • Modbus expandable • RTC with time switch functions	
	Micro modular PLC with pluggable displays					
DISPLAY TYPE	7 segment LED		LCD with blue backlight & white font	7 segment LED	LCD with blue backlight & white font	
DIGITS	(4+4) red + 6 green	(3+4) red + 4 green	2 lines x 8 characters (font size 5x7mm)	6 white + 4 green	4 lines x 16 characters (font side 5x7mm)	
LED BANKS	4 red + 4 green LED	LED banks 6 red round LEDs + 10 red LEDs (bar graph)	---	4 red	---	
NO. OF KEYS	5 touch keys (4 user configurable)		4 touch keys (3 user configurable)		8 touch keys (6 user configurable)	
SUPPLY VOLTAGE	90 to 270V AC	18 to 30V DC	90 to 270V AC	18 to 30V DC	90 to 270V AC	18 to 30V DC
DIGITAL INPUTS	5+1*	5+2*	3+1*		3+1*	5+1*
INPUT TYPE & RANGE	PNP (5-30V)					
FAST INPUT	1					
MAXIMUM FREQUENCY	5 kHz (PNP)					
ANALOG INPUT	1 (voltage 0-10V)	3 (2 voltage & 1 current 0-10V & 0-20mA)	1 (voltage 0-10V)	2 (voltage & current 0-10V & 0-20mA)	1 (voltage 0-10V)	2 (1 voltage & 1 current 0-10V & 0-20mA)
RESOLUTION	12 bit					
DIGITAL OUTPUT	As per slot I/O card		3 relay	4 relay	As per slot I/O card	
TYPE AND RATING	As per slot I/O card		5A NO type @250V AC / 30V DC		As per slot I/O card	
COMMUNICATION INTERFACE	RS485 MODBUS RTU protocol (slave)				RS485 MODBUS RTU protocol (master-slave)	
PROGRAM MEMORY	240kb					
RTC	Optional		Yes			
SENSOR SOURCE	24V, 50mA (230V AC variant)					
PLUGGABLE DISPLAY MODULES	 MiBRX-DSP-48-7-2-11-A	 MiBRX-DSP-48-7-2-14-B	 MiBRX-DSP-72-8-2-08-B	 MiBRX-DSP-72-7-2-10-B	 MiBRX-DSP-96-8-4-16-B	 MiBRX-DSP-96-8-4-16-B

*Digital input can be configured as analog input (0-10V)

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-48-0-0-230V	MiBRX 48x96 PS-2 slots, 6DI (incl 1FI, 1AI-V), NTC, 230V AC	CE
MiBRX-48-0-0-24VDC	MiBRX 48x96 PS-2 slots, 7DI (incl 1FI, 2AI-V), 1AI-I, NTC, 24V DC	CE
MiBRX-72-0-1-230V	MiBRX 72x72 PS-2 slots, 4DI (incl 1FI, 1AI-V) +3RO, NTC, RTC, 230V AC	CE
MiBRX-72-0-1-24VDC	MiBRX 72x72 PS-2 slots, 4DI (incl 1FI, 1AI-V) +4RO, 1AI-I, NTC, RTC, 24V DC	CE
MiBRX-96-1-1-230V	MiBRX 96x96 PS-6 slots, 4DI (incl 1FI, 1AI-V), NTC, RTC, Master, 230V AC	CE
MiBRX-96-1-1-24VDC	MiBRX 96x96 PS-6 slots, 6DI (incl 1FI, 1AI-V), 1AI-I, NTC, RTC, Master, 24V DC	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-DSP-48-7-2-11-A	MiBRX display 48x96 - 7 seg (3+4 & 4 digit), 6 LED, 10 bar graph LED	CE
MiBRX-DSP-48-7-2-14-B	MiBRX display 48x96 - 7 seg (8 & 6 digit), 8 LED	CE
MiBRX-DSP-72-8-2-08-B	MiBRX display 72x72 - LCD text (8x2)	CE
MiBRX-DSP-72-7-2-10-B	MiBRX display 72x72 - 7 seg (6+4 digit), 4 LED	CE
MiBRX-DSP-96-8-4-16-B	MiBRX display 96x96 - LCD text (16x4)	CE
MiBRX-DSP-96-8-2-16-B	MiBRX display 96x96 - LCD text (16x2)	CE
MiBRX-DSP-96-8-0-00-B	MiBRX display 96x96 - Customized, 14 & 7 Seg, Bar graphs, Speedometer	CE

MiBRX Series-Independent Display



MiBRX-DSP-IND-96-8-0-00-C
96(H) x 96(W) x 40(D)mm



MiBRX-DSP-IND-96-8-0-00-B
96(H) x 96(W) x 40(D)mm



MiBRX-DSP-IND-96-8-4-16-B
96(H) x 96(W) x 40(D)mm



MiBRX-DSP-IND-96-8-2-16-B
96(H) x 96(W) x 40(D)mm

FEATURES	• 10 password level • RS485 MODBUS RTU, (Master-slave) • In-build alarm	• Positive mode • White back light • Black segments	• Positive mode • 4 line x 16 characters	• Positive mode • 2 line x 16 characters
DISPLAY TYPE	3.5" LCD resistive touch screen	3.5" segment LCD with backlight	16 columns and 4 rows LCD	16 columns and 2 rows LCD
KEYS	Yes (5 nos)		Yes (8 nos)	Yes (8 nos)
KEYS TYPE	Capacitive touch pad type with integrated yellow green LEDs			
SUPPLY VOLTAGE	18-30V DC			

Independent display can be used only with MiBRX rail mount series with respective adapter plate & ACH-004-CE-RoHS (6 pin cable)

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-DSP-IND-96-8-0-00-C	MiBRX independent display-3.5" Graphic touch	---
MiBRX-DSP-IND-96-8-0-00-B	MiBRX independent display 96x96 - customized, 14 & 7 seg, Bar graphs, speedometer	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-DSP-IND-96-8-4-16-B	MiBRX independent display 96x96-LCD (16x4)	CE
MiBRX-DSP-IND-96-8-2-16-B	MiBRX independent display 96x96-LCD (16x2)	CE

Supported I/O cards

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-SC-DI04**	MiBRX slot card-4 digital inputs	CE
MiBRX-SC-DI04-ISO	MiBRX slot card-4 digital inputs (isolated)	CE
MiBRX-SC-DI05-230V-AC	MiBRX Slot Card - 5 Digital Inputs 230V (AC)	CE
MiBRX-SC-DI06**	MiBRX slot card-6 digital inputs	CE
MiBRX-SC-DI06-AC	MiBRX slot card-6 digital inputs (AC)	CE
MiBRX-SC-DI06-ISO-N	MiBRX slot card-6 digital inputs (isolated PNP/NPN)	CE
MiBRX-SC-RO01	MiBRX slot card-1 relay outputs	CE
MiBRX-SC-RO03**	MiBRX slot card-3 relay outputs	CE
MiBRX-SC-RO04**	MiBRX slot card-4 relay outputs	CE
MiBRX-SC-RO04-12V	MiBRX slot card-4 relay output (12V)	CE
MiBRX-SC-RO05	MiBRX slot card-5 relay outputs (1.5A)	CE
MiBRX-SC-TO04	MiBRX slot card-4 transistor outputs	CE
MiBRX-SC-DI02-RO03	MiBRX slot card-2 digital inputs & 3 relay outputs	CE
MiBRX-SC-DI02-TO02	MiBRX slot card-2 digital inputs & 2 transistor outputs	CE
MiBRX-SC-DI02-AI01-T	MiBRX slot card-2 digital inputs & 1 analog input-TC/RTD	CE
MiBRX-SC-AI02-V**	MiBRX slot card-2 analog inputs-voltage	CE
MiBRX-SC-AI02-V-ISO	MiBRX slot card-2 analog inputs-voltage (isolated)	CE
MiBRX-SC-AI03-V-ISO	MiBRX Slot Card - 3 Analog Inputs - Voltage (Isolated)	CE
MiBRX-SC-AI02-I**	MiBRX slot card-2 analog inputs-current	CE
MiBRX-SC-AI02-I-ISO	MiBRX slot card-2 analog inputs-current (isolated)	CE
MiBRX-SC-AI03-I-ISO	MiBRX Slot Card - 3 Analog Inputs - Current (Isolated)	CE
MiBRX-SC-AI02-V-mV	MiBRX slot card-2 analog inputs-1 voltage & 1 millivolt	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MiBRX-SC-AI02-V-I	MiBRX slot card-2 analog inputs-1 voltage & 1 current	CE
MiBRX-SC-AI02-TC**	MiBRX slot card-2 analog inputs-thermocouple	CE
MiBRX-SC-AI02-TC-ISO	MiBRX slot card-2 analog inputs-thermocouple (isolated)	CE
MiBRX-SC-AI03-TC-ISO	MiBRX Slot Card - 3 Analog Inputs - Thermocouple (Isolated)	CE
MiBRX-SC-AI03-2TC-1I-ISO	MiBRX Slot Card - 3 Analog Inputs - 2 Thermocouple (Isolated) & 1 Current (Isolated)	CE
MiBRX-SC-AI02-RTD**	MiBRX slot card-2 analog inputs-RTD	CE
MiBRX-SC-AI02-RTD-ISO	MiBRX slot card-2 analog inputs-RTD (isolated)	CE
MiBRX-SC-AI03-2RTD-1I-ISO-P	MiBRX-SC-AI03-2RTD-1I-ISO-P MiBRX Slot Card - 3 Analog Inputs - 2 RTD (Isolated) & 1 Current (Isolated), With Pluggable Terminals	CE
MiBRX-SC-AI02-PT1000	MiBRX slot card-2 analog inputs-PT1000	CE
MiBRX-SC-AI02-PTC	MiBRX slot card-2 analog inputs-PTC	CE
MiBRX-SC-AI02-NTC	MiBRX slot card-2 analog inputs-NTC	CE
MiBRX-SC-AO02-I-ISO	MiBRX slot card-2 analog output-current (isolated)	CE
MiBRX-SC-AO02-V-ISO	MiBRX slot card-2 analog outputs-voltage (isolated)	CE
MiBRX-SC-AO01-V-I**	MiBRX slot card-1 analog output	CE
MiBRX-SC-AO02-V-I-ISO	MiBRX slot card-2 analog outputs (isolated)	CE
MiBRX-SC-FI02	MiBRX slot card-2 fast inputs (10 kHz)	CE
MiBRX-SC-FO01-TO02-N	MiBRX slot card-1 fast output (200kHz) & 2 Transistor output (PNP/NPN)	CE
MiBRX-SC-LC02	MiBRX slot card-2 analog inputs-load cell (24 bit)	CE
MiBRX-SC-DL	MiBRX slot card-datalogging (2MB) & RTC	CE
MiBRX-SC-WIFI	MiBRX slot card-WIFI (IoT Enabled)	CE
MiBRX-SC-PD	MiBRX portable downloader	CE

Note :

*Pluggable card variant available

** Pluggable + Isolated (ISO) variant available

e.g., MiBRX-SC-DI0X-ISO, MiBRX-SC-DI0X-P

- Digital input can be configured as analog input (0-10V) 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 detail use of RO and AO cards are limited in 230VAC variants.

- A maximum of 25 variables of type VAR_IN_OUT and VAR_OUTPUT (each 32-bit) can be retained when operating at 110V.

- Non-Isolated DI cards supports only in Non-ISO variant.

- Pluggable variant is not available for MiBRX-SC-RO05.

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

Scan below QR code for more information about the miniature I/O cards and its compatibility with MiBRX products.



Flexys Series-Flexible IO PLC Solution



FLEXYS GT35
99(H) x 99(W) x 110(D)mm



FLEXYS PANEL TX4
99(H) x 99(W) x 110(D)mm



FLEXYS RAIL
67(H) x 140(W) x 107(D)mm



EXP FLEX 2M **EXP FLEX 2M V3**
94(H) x 35(W) x 103(D)mm

FEATURES	3.5" LCD with touch screen - Flexible I/O cards selection with 3 slots - Real time clock - MODBUS expandable	- PLC with built in LCD text HMI - Flexible I/O cards selection with 4 slots - Real time clock - MODBUS expandable	- Flexible I/O card selection with 4 slots - Real time clock - MODBUS expandable	- Any flexys card can be configured - Selectable baudrate and slave ID
DISPLAY	TFT 3.5" diagonal touch screen, Resolution 320x240	LCD with backlight, 4x16 character display, Font size 5x7mm	7 segment display for slot number & card status. Multipurpose LED bank	LED indication for power ON & communication status
NO. OF KEYS	4 function keys +1 system key	18 keys (14 user configurable)	One key to scroll through different slots	---
I/Os	3 I/O slots (please refer I/O card for flexys series)	4 I/O slots (please refer I/O card for flexys series)	---	---
DIGITAL INPUTS	4 / 10 / 14 per card, PNP (6-30V DC)			
MAXIMUM COUNTING FREQUENCY	FC0 (I0 & I1) & FC1 (I2 & I3)-5 kHz (on power supply card only), Normal digital inputs-30 Hz			---
ANALOG INPUTS	1 / 3 / 4 / 6 channels per card (TC, RTD, 0-10V, 0-20mA, NTC)			
RESOLUTION	12 bits			
RELAY OUTPUTS	4 / 8 per card, NO type 5A @230V AC / 30V DC (resistive)			
TRANSISTOR OUTPUTS	8 per card, Source type 100mA @24V DC			
ANALOG OUTPUTS	1 / 2 / 4 channels per card (0-10V, 0-20mA)			
RESOLUTION	14 bits (0.0 to 100.0% = 0 to 10.000V, 0.0 to 100.0% = 0 to 20.000mA)			
PROGRAM MEMORY	221kb	351kb	---	---
COMMUNICATION	RS485 MODBUS RTU protocol	RS485 MODBUS RTU	RS485 MODBUS RTU, (selec master PLC)	RS485 MODBUS RTU (third party master PLC)
RTC	Yes			---
BAUDRATE	---			19200 / 115200bps (selectable)
RESPONSE TIME	---			Min response time 100m sec + IO card response
SUPPLY VOLTAGE (AC : 50 / 60 Hz)	18 - 30V DC, 90 - 270V AC			18-30V DC

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
FL-GT35-DI04-PS-230V-CE-RoHS	Flexys graphics-power supply card-230V AC, 4 digital inputs	CE
FL-GT35-DI04-PS-24V-CE-RoHS	Flexys graphics-Power supply card-24V DC, 4 digital inputs	CE
FL-GT35-DSP-V2	Flexys graphics-3.5" resistive touch screen	CE
FL-GT35-LG-1-0-1-V2	Flexys graphics-Logic card-RTC, Modbus expansion	CE
FL-TX4-DI04-PS-230V-CE-RoHS	Flexys panel TX4-Power supply card-230V AC, 4 digital inputs	CE
FL-TX4-DI04-PS-24V-CE-RoHS	Flexys panel TX4-Power supply card-24V DC, 4 digital input	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
FL-TX4-LG-1-0-1-V2-CE-RoHS	Flexys panel TX4-Logic card-RTC, MODBUS & Proprietary expansion	CE
FL-RL-DI04-PS-24V-CE-RoHS	Flexys rail-Power supply card-24V DC, 4 digital inputs	CE
FL-RL-BS-6-CE-RoHS	Flexys rail-Base card	CE
FL-RL-LG-1-0-1-V2-CE-RoHS	Flexys rail-Logic card-RTC, Modbus & Proprietary expansion	CE
FL-RL-PS-230V	Flexys rail-Power supply card-230V AC	---

Supported I/O cards

PRODUCT CODE	DESCRIPTION	CERTIFICATION
EXP-FLEX 2M	Expansion slot-Flexys IO cards	CE
EXP-FLEX 2M V3	Independent remote IO base card	CE
FL-SC-DI10-CE-RoHS	Flexys IO-10 digital input card	CE
FL-SC-DI14-CE-RoHS	Flexys IO-14 digital input card	CE
FL-SC-RO08-CE-RoHS	Flexys IO-8 channel relay output card	CE
FL-SC-TO08-CE-RoHS	Flexys IO-8 channel transistor output card	CE
FL-SC-DI04-RO04-CE-RoHS	Flexys IO-4 digital input & 4 digital output card	CE
FL-SC-AI04-U	Flexys IO-4 channel analog input card-Universal (Jumper selectable)	CE in process
FL-SC-AI06-V-CE-RoHS	Flexys IO-6 channel analog input card-voltage	CE
FL-SC-AI06-I-CE-RoHS	Flexys IO-6 channel analog input card-current	CE
FL-SC-AI06-V/I	Flexys IO-6 channel analog input card-voltage / current	CE
FL-SC-AI06-V/I-ISO	Flexys IO-6 channel analog input card-voltage / current (isolated)	CE
FL-SC-AI01-AO01-V/I	Flexys IO-1 channel analog inputs, 1 channel analog output (voltage / current)	CE
FL-SC-AI03-U-AO02-U	Flexys IO-3 channel analog input-universal, 2 channel analog output-universal card (jumper selection)	CE in process
FL-SC-AI04-RTD-CE-RoHS	Flexys IO-4 channel analog input card-RTD (PT-100)	CE
FL-SC-AI04-TC-CE-RoHS	Flexys IO-4 channel analog input card-thermocouple	CE
FL-SC-AIDF05-TC-CE-RoHS	Flexys IO-5 channel differential analog input card-thermocouple	CE
FL-SC-AIDF05-TC-ISO-CE-RoHS	Flexys IO-5 channel differential analog input card-thermocouple (isolated)	CE
FL-SC-AI03-NTC-AI03-I	Flexys IO - 3 channel analog inputs-NTC, 3 channel analog inputs-Current card	CE in process
FL-SC-AO04-V-CE-RoHS	Flexys IO-4 channel analog output card-voltage	CE
FL-SC-AO04-I-CE-RoHS	Flexys IO-4 channel analog output card-current	CE
FL-SC-LC04	Flexys IO-4 channel loadcell input card (24 bits)	CE in process

*For technical specification refer to product datasheet

Fixed IO Series-UNIX & TWIX



UNIX-1-230V
75.5(H) x 75.5(W) x 78(D)mm



TWIX-1
50(H) x 98(W) x 78(D)mm

TWIX-2
50(H) x 98(W) x 78(D)mm

TWIX-3
50(H) x 98(W) x 78(D)mm

FEATURES	• RS485 MODBUS RTU protocol	• Configurable LED display • RS485 MODBUS RTU protocol		
DISPLAY	6 digits red & 4 green digits 7 segment LED	4+4 digits red & 6 green digits 7 segment LED		
NO. OF KEYS	3 keys (2-User configurable)	5 keys (4-User configurable)		
DIGITAL INPUTS	3+1*	6	6+2*	8
INPUT TYPE	PNP (5-30V DC)	PNP (6-30V DC)		
MAXIMUM COUNTING FREQUENCY	FC0 (I0 & I1)-5 kHz, Normal digital input: 30 Hz			
ANALOG INPUTS	3 channels, 1 (TC / RTD) , 1 (0-10V), 1(0-20mA)	1 channel (TC / RTD)	6 channels, 2 (TC / RTD) , 2 (0-10V), 2(0-20mA)	1 channel (TC / RTD)
ANALOG OUTPUTS	---	1 channel (0-10V / 0-20mA)		---
RESOLUTION	12 bits			
DIGITAL OUTPUTS	2 relay & 2 transistor	4 relay	5 relay	6 transistor
TYPE & RATING	For Relay O/P : 5A NO type @230V AC / 30V DC (resistive), For transistor O/P: Source type 100mA @24V DC			
PROGRAM MEMORY	240kb	112kb	240kb	112kb
COMMUNICATION INTERFACE	RS485 MODBUS RTU Protocol			
SUPPLY VOLTAGE (AC : 50 / 60Hz)	90-270V AC (50/60 Hz)	90-270V AC (50/60 Hz), 18-30V DC		18-30V DC

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
UNIX-1-230V	PLC-3DI, 2RO, 2TO, 3AI (1TC / RTD, 1I, 1V/1DI) & 230V AC	CE in process
TWIX-1-230V	PLC- 6DI, 4RO, 1AI (TC / RTD) & 230V AC	CE in process
TWIX-1-24VDC	PLC- 6DI, 4RO, 1AI (TC / RTD) & 24V DC	CE in process

PRODUCT CODE	DESCRIPTION	CERTIFICATION
TWIX-2-230V	PLC- 6DI, 5RO, 6AI (2TC / RTD, 2I, 2V/2DI), 1AO(V/I) & 230V AC	CE in process
TWIX-2-24VDC	PLC- 6DI, 5RO, 6AI (2TC/RTD, 2I, 2V/2DI), 1AO(V/I) & 24V DC	CE
TWIX-3-24VDC	PLC- 8DI, 6DO, 1AI (TC / RTD) & 24V DC	CE in process

Fixed IO Series-DIGIX & MM3032



DIGIX-1-0-0-24VDC-CE-RoHS
DIGIX-1-X-X-230V-CE-RoHS
90(H) x 70(W) x 67(D)mm



MM3032-2-0-0-230V V2
110(H) x 99(W) x 62(D)mm

MM3032-2-0-0-24V V2
110(H) x 99(W) x 62(D)mm

FEATURES	• Real time clock** • RS485 MODBUS RTU protocol	• Panel / DIN rail mounting • RS485 MODBUS RTU protocol	
DISPLAY	2x8 character LCD	2x16 character LCD	
NO. OF KEYS	5 keys (4-User configurable)	8 keys (6 user configurable)	
DIGITAL INPUTS	8 (PNP (6-30V DC)	8 PNP (6-30V DC)	
COUNTING FREQUENCY	- - -	FC0 (I0 & I1)–5 kHz, Normal input–30 Hz.	
ANALOG INPUTS	Through expansion	2 channels (0-20mA) / (0-10V)	2 channels (0 - 20mA / (0-10V) + 1 NTC channel
RESOLUTION	Through expansion	12 bits	
DIGITAL OUTPUTS	5 relay	6 relay	
TYPE AND RATING	5A NO type @230V AC / 30V DC (resistive)		
ANALOG OUTPUTS	Through expansion	1 channel, (0-10V)	- - -
RESOLUTION	As per expansion modules	14 bits (0.0% to 100.0% = 0 – 10.000V)	- - -
RTC	Yes	No	Yes

	DIGIX-1-0-0-24VDC-CE-RoHS DIGIX-1-X-X-230V-CE-RoHS	MM3032-2-0-0-230V V2	MM3032-2-0-0-24V V2
EXPANSION	Optional	No	
PROGRAM MEMORY	112kb	240kb	
COMMUNICATION INTERFACE MASTER	RS485 Modbus RTU Protocol	---	
SUPPLY VOLTAGE (AC : 50 / 60 Hz)	18-30V DC 90-270V AC (50/60 Hz)**	90-270V AC (50/60 Hz)	18-30V DC

**Please refer datasheet for exact order code

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
DIGIX-1-0-0-24VDC-B	PLC- 8DI, 5RO & 24V DC	CE in process
DIGIX-1-0-0-24VDC-CE-RoHS	PLC- 8DI, 5RO & 24V DC	CE
DIGIX-1-230V-CE-RoHS	PLC- 8DI, 5RO & 230V AC	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
MM3032-2-0-0-230V V2	PLC- 8DI, 6RO, 2AI (V/I), 1AO (0-10V DC), 230V AC	CE
MM3032-2-0-0-24V V2	PLC- 8DI, 6RO, 1AI (V/I), 1AI-NTC & 24V DC	CE

Human Machine Interface



SP112-GT40
102(H) x 138(W) x 32(D)mm



SP112-GT70
146(H) x 200(W) x 32(D)mm



SP112-GT100
193(H) x 273(W) x 32(D)mm

FEATURES	• 4.3", 7" & 10" touch screen • Ethernet / Serial communication • User management • Recipe management • Data logging • Update program by USB flash • In-Built third party PLC protocols • Thermal printer support • In-Built buzzer for alarm condition			
	DISPLAY	4.3" diagonal resistive touch screen	7" diagonal resistive touch screen	10" diagonal resistive touch screen
	RESOLUTION	480 x 272 pixels	800 x 480 pixels	1024 x 600 pixels
	USER MEMORY	256M flash + 128M DRAM		
	DATA LOGGING	Yes		
	COMM. PORT 1	RS485 / RS422		
	COMM. PORT 2	RS232		
	COMM. PORT 3	---	RS485	
	ETHERNET	Ethernet-10M / 100M self adaptation		
USB HOST	USB2.0x1, Support USB flash disk to update firmware, Configure and store data (Upto 16GB)			
USB SLAVE	Type C, Support power supply & program download / upload	Type B, program download / upload		
RTC	Yes			
BACKUP BATTERY	3V CR2032			
OPERATING TEMPERATURE	0°-50 °C			
SUPPLY VOLTAGE	24V DC (20.4~28.8V DC)			

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
SP112-GT40-S1-CE	4.3" touch screen HMI with serial ports	CE
SP112-GT40-ET1-CE	4.3" touch screen HMI with Ethernet & Serial ports	CE
SP112-GT70-S1-CE	7" touch screen HMI with serial ports	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
SP112-GT70-ET1-CE	7" touch screen HMI with Ethernet & Serial ports	CE
SP112-GT100-ET1-CE	10" touch screen HMI with Ethernet & Serial ports	CE



VFD-L



VFD-S

FEATURES	• Compact VFD • 0.25HP / 0.2kW to 1HP / 0.75kW	• General purpose VFD • 0.25HP / 0.2kW to 20HP / 15kW
RATED INPUT VOLTAGE / FREQUENCY	Single phase 230V AC 50/60 Hz	Single phase 230V AC 50/60 Hz, Three phase 415V AC 50/60 Hz
PERMISSIBLE VOLTAGE FLUCTUATION	230V AC $\pm 15\%$	230V AC $\pm 20\%$ for 1 phase & 415V AC $\pm 20\%$ for 3 phase
OUTPUT VOLTAGE	3P: 0~input voltage	
PERMISSIBLE FREQUENCY FLUCTUATION	$\pm 5\%$	
CONTROL MODE	V/f control	
FREQUENCY CONTROL RANGE	0.1~400.0 Hz	
FREQUENCY ACCURACY	Digital setting 0.01%, Analog instruction 0.1% (max frequency)	
FREQUENCY RESOLUTION	Digital instruction 0.1 Hz, Analog instruction 0.1 Hz	
ACCELERATION/DECELERATION TIME	0.0~999.9 sec. Four acceleration / deceleration time settings available	0.0~3600.0 sec. Four acceleration / deceleration time settings available
MULTI SPEED RUNNING	Built-In program using simple PLC feature	
BUILT-IN PI	Easy to set up a simple automatic control system	
BUILT-IN COUNTER	Automatically controlled production line can be achieved	
OVERLOAD CAPACITY	150% for 1min, 180% for 10 sec., 200% for 1sec.	
V/F MODE	4 pre-set V/f mode and 1 user defined V/f program	
AUTOMATIC ENERGY SAVING OPERATION	Changes the V/f curve according to the load to reduce energy consumption	
AUTOMATIC VOLTAGE REGULATION	Regulates the voltage automatically whenever there is a change in grid voltage	
OPERATION COMMANDS	Keypad, External terminals, External communication using MODBUS	
FREQUENCY SETTING	Keypad Up/Down keys, Keypad potentiometer, External potentiometer, Analog inputs (4-20mA / 0-10V), MODBUS communication	
INPUT SIGNAL	4 user selectable (PNP/NPN) multifunction inputs 2 analog inputs (0-20mA, POT / 0-10V)	8 user selectable (PNP/NPN) multifunction inputs 2 analog inputs (0-10V / 0-20mA)
OUTPUT SIGNAL	1 user selectable multifunction relay output (250V / 5A contact)	2 user selectable multifunction relay output (250V / 5A contact), 2 user selectable multifunction open collector output, 1 analog output (0-10V / 0-20mA)
PROTECTION FUNCTIONS	Over current, Over voltage, Under voltage, Over temperature, Under current, System error	
DISPLAY	Non-removable HMI with 5 keys, 4x7 segment LED display and 4 status LED setting, Running status and fault display	Removable HMI with 8 keys, 1 switch enabled encoder, 5x7 segment LED display and 7 status LEDs
OPERATING ENVIRONMENT	Temperature: -10~+60 °C, Humidity: <90%, No condensation, IP20	
STORAGE TEMPERATURE	-20~+65 °C	
VIBRATION	<5.9m/s ² (0.6g)	
APPLICATIONS	Suitable for Fans, Pumps, Conveyor, Food & Drink packaging machinery, Industrial washing machine and most general industries etc	

Ordering information

Compact AC drive (VFD-L)

PRODUCT CODE	DESCRIPTION
VFD-L-1-002-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage, 0.25HP/0.2kW Economic series (4DI, 2AI, 2AO, RS485, 1RO SPST, Built in display)
VFD-L-1-005-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage, 0.5HP/0.4kW Economic series (4DI, 2AI, 2AO, RS485, 1RO SPST, Built in display)
VFD-L-1-010-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage, 1HP/0.75kW Economic series (4DI, 2AI, RS485, 1RO SPST, Built in display)

General purpose AC drive (VFD-S)

PRODUCT CODE	DESCRIPTION
VFD-S-1-002-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage 0.25HP/0.2kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-1-005-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage 0.5HP/0.4kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-1-010-230V	1 phase input 230V AC, 3 phase output 0 to rated input voltage 1HP/0.75kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-1-020-230V	1 phase input 230V AC, 3 phase output 0 to rated input voltage 2HP/1.5kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)

General purpose AC drive (VFD-S)

PRODUCT CODE	DESCRIPTION
VFD-S-1-030-230V	1 phase input 230V AC, 3 phase output 0 to rated input voltage 3HP/2.2kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-1-050-230V	1 phase input 230V AC, 3 phase output 0 to rated Input voltage 5HP/3.7kW, General purpose series (8 DI, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)
VFD-S-3-005-415V	3 phase input 415V AC, 3 phase output 0 to rated Input voltage 0.5HP/0.4kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-3-010-415V	3 phase input 415V AC, 3 phase output 0 to rated Input voltage 1HP/0.75kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-3-020-415V	3 phase input 415V AC, 3 phase output 0 to rated input voltage 2HP/1.5kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-3-030-415V	3 phase input 415V AC, 3 phase output 0 to rated input voltage 3HP/2.2kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-S-3-050-415V	3 phase input 415V AC, 3 phase output 0 to rated input voltage 5HP/3.7kW, General purpose series (5DI, 2AI, 1AO, RS485, 1RO SPDT, 1TO, Detachable display)
VFD-SH-3-050-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 5HP/3.7kW, General purpose series (8 DI, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)
VFD-SH-3-075-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 7.5HP/5.5kW, General purpose series (8 DI, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)
VFD-SH-3-100-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 10HP/7.5kW, General purpose series (8 DI, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)
VFD-SH-3-150-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 15HP/11kW, General purpose series (8 DI, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)
VFD-SH-3-200-B-415V	3 phase input 230V AC, 3 phase output 0 to rated Input voltage 20HP/15kW, General purpose series (8 DI, 2 AI, RS485, 2 RO, 2 TO, 1AO, Detachable display)



FD300



FD600

FEATURES	• High performance AC drives • 1HP / 0.75kW to 200HP / 160kW	• High performance AC drives • 1HP / 0.4kW to 40 HP / 250kW
RATED INPUT VOLTAGE / FREQUENCY	Single phase 230V AC 50/60 Hz, Three Phase 415V AC 50/60 Hz	Three Phase 415V AC 50/60 Hz
PERMISSIBLE VOLTAGE FLUCTUATION	187V to 253V AC for 1 phase & 320 to 460V AC for 3 phase	320 to 460V AC for 3 phase
PERMISSIBLE FREQUENCY FLUCTUATION	±5%	
CONTROL MODE	SFVC, CLVC (+PG card), V/F control	Vector control, V/F control
FREQUENCY CONTROL RANGE	Vector control: 0.0~3200.0 Hz, V/F control : 0.0~500.0 Hz	Vector control: 0~600Hz, VF control: 0~1200Hz
FREQUENCY ACCURACY	Digital setting 0.01%, Analog instruction 0.1% (max frequency)	Open-loop vector control: ±0.5% (rated synchronous speed)
FREQUENCY RESOLUTION	Digital instruction 0.1 Hz, Analog instruction 0.1 Hz	Digital setting: 0.01Hz Analog setting: maximum frequency × 0.1%
ACCELERATED / DECELERATED TIME	0.0~6500.0 sec. Four acceleration / deceleration time settings available	0.0s ~ 3000.0s. Linear or S-curve acceleration and deceleration mode; four kinds of acceleration and deceleration time
MULTI SPEED RUNNING	Built-in program	Built-in PLC or control terminal, 16 steps speed can be set
BUILT-IN PI	Easy to set up a simple automatic control system	Process control closed-loop control system can be easily realized
OVERLOAD CAPACITY	G type-150% rated current for 1 min, P type-120% rated current for 1 min	
TORQUE BOOST	Auto boost, Manual boost: 0-30%	
V/F MODE	3 preset V/F mode and V/F program	
AUTOMATIC ENERGY SAVING OPERATION	Changes the V/F curve according to the load to save energy	
AUTOMATIC VOLTAGE REGULATION	Regulates the voltage automatically whenever there is a change in grid voltage	
OPERATION COMMANDS	Keypad, External terminals and Communication	
FREQUENCY SETTING	Digital setting, Analog voltage setting, Analog current setting, Communication	
INPUT SIGNAL	Forward / Reverse, Jogging selection, Multi speed control, Regular stopping	
OUTPUT SIGNAL	Fault alarm output (250V/2A contact), Open collector output	
PROTECTION FUNCTIONS	Over current, Over voltage, Under voltage, Over heat, Overload, Phase loss	Power-on motor short-circuit detection, Phase loss, Over current, Over voltage, Under voltage, Over heating, Over load, etc.
DISPLAY	Parameters setting, Running status and fault display	
OPERATING ENVIRONMENT	Temperature: -10~+50 °C, Humidity: <90%, No condensation, IP20	-10 °C to +50 °C (Ambient temperature is 40 °C~50 °C, please use with derating), <95%RH, no condensation
OPERATIONS AREA	Indoor, <1000m altitude above sea level	
STORAGE TEMPERATURE	-20 ~ +60 °C	
VIBRATION	<5.9 m/s ² (0.6g)	
INPUT CHANNEL	6 DI (Internal impedance: 3.3kΩ), 2AI (0-10V, 0-10V/0-20mA)	10 Digital inputs (PNP/NPN), 2 Analog inputs (AI1, AI2 can be used as DI terminals)
OUTPUT CHANNEL	1 RO, 2 TO, 1AO (0-10V/0-20mA)	3 Digital output terminal (bipolar output), 2 Relay output terminal, 2 Analog output terminals (0/4mA~20mA or 0/2V~10V can be selected respectively)
APPLICATIONS	Suitable for Fans, Pumps, Conveyor, Mixer, Textile machine, Dyeing machine, Lithographic printing machine Metal working	

Ordering information

PRODUCT CODE	DESCRIPTION	CERTIFICATION
FD300-1-010-C-CE	1 PH 230V AC IN, 3 PH 0-230V AC OUT 1HP/0.75kW	CE
FD300-1-020-C-CE	1 PH 230V AC IN, 3 PH 0-230V AC OUT 2HP/1.5kW	CE
FD300-1-030-C-CE	1 PH 230V AC IN, 3 PH 0-230V AC OUT 3HP/2.2kW	CE
FD300-3-010-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 1HP/0.75kW	CE
FD300-3-020-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 2HP/1.5kW	CE
FD300-3-030-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 3HP/2.2kW	CE
FD300-3-050-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 5HP/3.75kW	CE
FD300-3-075-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 7.5HP/5.5kW	CE
FD300-3-100-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 10HP/7.5kW	CE
FD300-3-150-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 15HP/11kW	CE
FD300-3-200-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 20HP/15kW	CE
FD300-3-250-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 25HP/18.5kW	CE
FD300-3-300-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 30HP/22.4kW	CE
FD300-3-400-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 40HP/30kW	CE
FD300-3-500-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 50HP/37.5kW	CE
FD300-3-600-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 60HP/45kW	CE
FD300-3-750-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 75HP/55kW	CE

PRODUCT CODE	DESCRIPTION	CERTIFICATION
FD300-3-1000-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 100HP/75kW	CE
FD300-3-1200-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 120HP/90kW	CE
FD300-3-1500-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 150HP/110kW	CE
FD300-3-1750-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 175HP/132kW	CE
FD300-3-2100-C-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 210HP/160kW	CE
FD600-3-010-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 1HP/0.7kW	CE
FD600-3-020-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 2HP/1.5kW	CE
FD600-3-030-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 3HP/2.2kW	CE
FD600-3-050-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 5HP/4.0kW	CE
FD600-3-075-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 7.5HP/5.5kW	CE
FD600-3-100-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 10HP/7.5kW	CE
FD600-3-150-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 15HP/11kW	CE
FD600-3-200-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 20HP/15kW	CE
FD600-3-250-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 25HP/18.5kW	CE
FD600-3-300-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 30HP/22kW	CE
FD600-3-400-EB-CE	3 PH 415V AC IN, 3 PH 0-415V AC OUT 40HP/30kW	CE

Power Supply-Din Rail Series



RP-2M-1.1A-24VDC-CE-RoHS
90(H) X 35(W) x 60(D)mm



RPS15
90(H) X 17.50(W) x 65(D)mm



RPS40
90(H) X 35(W) x 60(D)mm

FEATURES	• IEC 61010-1 safety standards • Protection: Overload, Over voltage, Short circuit • Power OK indication • Cooling by free air convection	• Ultra slim • Support wide range of AC/DC auxiliary supply • Efficiencies up to 82% • Full power between -25 °C to +50 °C • Protection against short circuit, Overload, Over voltage • Cooling by free air convection	
	LED indication for DC OK		
VOLTAGE RANGE	100-270V AC / 100-300V DC	90-264 VAC/ 127-370 VDC	
FREQUENCY RANGE	50/60 Hz		
AC CURRENT	100V-0.6A, 270V-0.3A	0.3A @115V AC; 0.15A @230V AC	0.80 A@115 VAC; 0.5 A@230 VAC
EFFICIENCY	Up to 75% to 85%	82%	85%
INRUSH CURRENT	< 40Amps @115V AC < 75Amps @230V AC	<30Amps @264V AC	< 60 Amps @264 VAC
AVAILABLE RANGE DC VOLTAGE / CURRENT	24V/1.1A	5V*/2.4A, 12V/1.25A, 24V/0.63A	12 V/ 2.5 A, 15 V*/ 2.67 A, 24 V/ 1.67 A, 48 V*/ 0.83 A
RATED POWER	26.4W	15W	40W
RIPPLE & NOISE MAX (mVp.p)	200mV	<1 % of Vout	
WEIGHT	140 gm	<100 gm	<150 gm

Ordering information

PRODUCT CODE	CERTIFICATION	Eg.: RPS15-24-CE
RPS15-12-CE	CE	RPS15 - XX - YY → Certification: CE : CE → Output voltage: 05 : 5V* 12 : 12V 24 : 24V → Output power : 15W
RPS15-24-CE	CE	

PRODUCT CODE	CERTIFICATION	Eg.: RPS40-24-CE
RPS40-12-CE	CE	RPS40 - XX - YY → Certification: CE : CE → Output voltage : 12 : 12V 15 : 15V* 24 : 24V 48 : 48V* → Output Power : 40W
RPS40-24-CE	CE	

Note : 1. *Available on request. 2. For dimensions refer page no 14

Power Supply-Din Rail Series



RPS60
109.8(H) X 43(W) x 102.7(D)mm



RPS120
109.8(H) X 43(W) x 102.7(D)mm



RPS240
136(H) X 50(W) x 135(D)mm



RPS480
154(H) X 60(W) x 158(D)mm



LRPS240
154(H) X 60(W) x 158(D)mm

FEATURES	• Designed to meet UL 62368-1 • IEC 61010-1 safety standard • Protection: Overload, Over voltage, Output short Circuit, Over temperature • Power OK indication • Cooling by free air convection	• Designed to meet UL 62368-1 • Active PFC • Protection: Overload, Over voltage, Output short Circuit, Over temperature • Power OK indication • DC OK relay contact • Cooling by free air convection	• Low cost CVCC power supply • Cooling by built in fan • Designed to meet UI508 & IEC 62358-1
DISPLAY	LED indication for DC OK		
VOLTAGE RANGE	90-264V AC / 127-370V DC		170-264V AC

Power Supply-Din Rail Series

	RPS60	RPS120	RPS240	RPS480	LRPS240
FREQUENCY RANGE	50/60 Hz				
AC CURRENT	115V-1.2A, 230V-0.8A	115V-2.2A, 230V-1.5A	115V-2.4A, 230V-1.2A	115V-4.8A, 230V-2.4A	2.8A @150V AC; 2.1A @230V AC
EFFICIENCY	Up to 87%	Up to 89%	Up to 93%	Up to 94%	Up to 87%
INRUSH CURRENT	<48A @264V AC		<60A @264V AC		<60Amps; Measured at 264V AC
AVAILABLE RANGE DC VOLTAGE / CURRENT	5V*/10A, 12V/5A, 15V*/4A, 24V/2.5A, 48V*/1.25A	12V/8A, 15V*/8A, 24V/5A, 48V*/2.5A	12V/18A, 24V/10A, 48V*/5A	24V/20A, 48V*/10A	24V/10A, 48V*/5A
RATED POWER	60W	120W	240W	480W	240W
RIPPLE & NOISE MAX (mVp.p)	<1% of vout				
WEIGHT	285 gm	350 gm	645 gm	1050 gm	680 gm

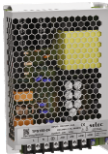
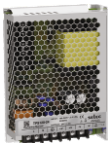
Ordering information

PRODUCT CODE	CERTIFICATION
RPS60-24-CE	CE
RPS60-24-CU	CE 
RPS120-24-CU	CE 
RPS240-12-CU	CE 

Note : 1. *Available on request. 2. For dimensions refer page no 18

PRODUCT CODE	CERTIFICATION
RPS240-24-CU	CE 
RPS480-24-CU	CE 
LRPS240-24	---
LRPS240-48	---
RP-2M-1.1A-24V DC-CE-RoHS	CE

Power Supply-Table Top Mounting Series

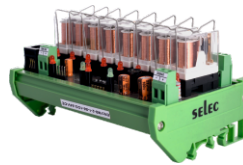
New  TPS350-24 215(L) X 115(W) x 30(H)mm		New  TPS150-24 159(L) X 97(W) x 30(H)mm		New  TPS120-24 129(L) X 97(W) x 30(H)mm		New  TPS50-24 99(L) X 82(W) x 30(H)mm	
FEATURES		- AC input range selectable by switch - Efficiencies up to 87 % -40 °C to +70 °C operating temperature - Compact size and 1U low profile - Protection against short circuit, overload & overvoltage - Cooling by forced air		- Surface mounting - Cooling by free air convection - Compact size and 1U low profile		- Protection : short circuit, overload & overvoltage - Compact size and 1U low profile	
INDICATION		LED indication for DC OK					
INPUT VOLTAGE RANGE		90-132V AC / 180-264V AC by switch (240-370V DC) switch on 230V AC		85-132V AC / 170-264V AC by switch, 240-370V DC (switch on 230V AC)		90-264V AC / 127-373V DC	
FREQUENCY RANGE		50-60 Hz		47-63 Hz			
INPUT CURRENT		6.8A @115V AC; 3.4A @230V AC		3A @115V AC; 1.7A @230V AC		2.2A @115V AC; 1.5A @230V AC	
EFFICIENCY		Up to 87% at 230V AC		Up to 89%		Up to 86%	
INRUSH CURRENT		<60Amps; Measured at 264V AC, 25 °C Ambient, Cold start				<45Amps; Measured at 230V AC, 25 °C Ambient, Cold start	
AVAILABLE RANGE DC VOLTAGE /CURRENT		24V / 14.6A		24V/6.5A		24V/5A	
RATED POWER		350.4W		156W		120W	
OPERATING TEMP		-40 °C to +70 °C					
RIPPLE & NOICE MAX (mVpp)		<1% of vout					
WEIGHT		<800gm		<500gm		<340gm	
ACCESSORY		NA		Clamp for din rail mounting			

Ordering information

PRODUCT CODE	CERTIFICATION
TPS50-24	CE
TPS120-24	CE

Note : 1. *Available on request. 2. For dimensions refer page no 15

PRODUCT CODE	CERTIFICATION
TPS50-24	CE
AC-TPS-DRAIL	---



ERLYMD-2-1-S8-1CO-24V-CE-RoHS
87(H) x 138(W) x 138(D)mm

FEATURES	- RS485 Comm. over MODBUS-RTU - Pluggable relays - Selectable baudrate and slave ID
NO. OF CHANNELS	8
CONTACTS	1C/O
CONTACT RATING	10A @277V AC / 30V DC (Resistive)
NOMINAL VOLTAGE	24V DC
MUST VOLTAGE	18V DC
MAX VOLTAGE	33V DC
OPERATE TIME	15 msec
RESET TIME	5 msec
COMMUNICATION PROTOCOL	RS485 MODBUS RTU protocol
STATUS DISPLAY	LED indication for relay ON status, Power ON & communication status
SUPPLY VOLTAGE	24V DC

Accessories-Data Converters



AC-RS485-RS232-ISO



AC-USB-RS232-01 AC-USB-RS485-02 AC-USB-RS485-03

FEATURES	- LED indication for communication status - Interface converter	- Port powered - Communication status available on LED indication
DISPLAY	LED indication for power on, TX & RX	LED indication for TX & RX
INTERFACE 1	Serial (RS485 MODBUS RTU protocol)	USB 2.0 compliance
CONNECTOR	2 wire	USB type A
INTERFACE 2	Serial (RS232 MODBUS RTU protocol)	Serial (RS485 MODBUS RTU protocol)
CONNECTOR	DB9	2 wire open RJ 25 (6 Pin)
TRANSMISSION SPEED	2400 to 115200bps	2400 to 115200bps
CABLE LENGTH	---	1 meter
POWER CONSUMPTION	0.5W	75mA @5V
SUPPLY VOLTAGE	90-270V AC (50/60 Hz)	Port powered

Accessories-Communication Adapters & Cables



AC-IOEXP-03-CE-RoHS



ACH-002-CE-RoHS



ACH-003-CE-RoHS



ACH-004-CE-RoHS

DESCRIPTION	Adapter for directing RJ25 to open terminal and also for network looping	DB9 to RJ25 cable	Both Side RJ45 type connector	Both side RJ25 type connector
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Ordering information

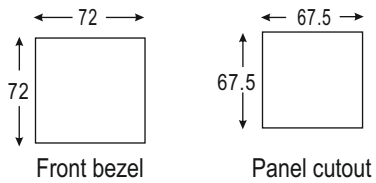
PRODUCT CODE	CERTIFICATION
AC-USB-RS232-01	CE in process
AC-USB-RS485-02	CE
AC-USB-RS485-03	CE
AC-RS485-RS232-ISO	CE in process

PRODUCT CODE	CERTIFICATION
ACH-001-CE-RoHS	CE
ACH-002-CE-RoHS	CE
ACH-003-CE-RoHS	CE
ACH-004-CE-RoHS	CE

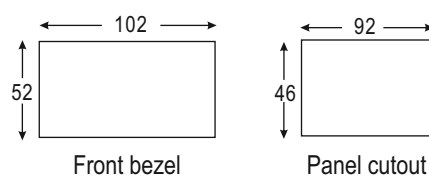
PRODUCT CODE	CERTIFICATION
AC-IOEXP-03-CE-RoHS	CE
ERLYMD-2-1-S8-1CO-24V-CE-RoHS	CE

Panel Cutout Dimensions (All are in mm)

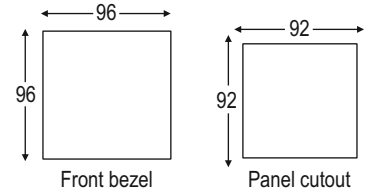
72x72mm / MiBRX 72 / UNIX-1



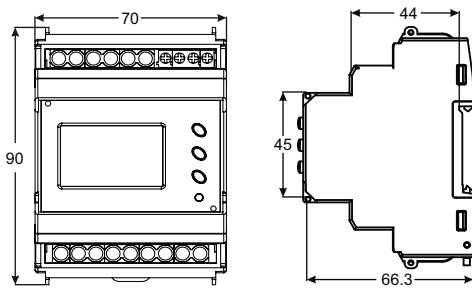
48x96mm / MiBRX 48 / TWIX-1 / TWIX-2 / TWIX-3



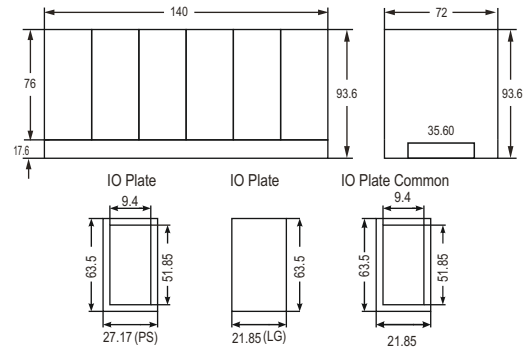
96x96mm / MiBRX 96 / MiBRX-DSP-IND / FLEXYS-TX4 / FLEXYS-GT35 / MM3032-V2



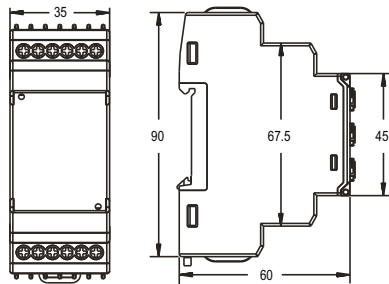
MiBRX 4M



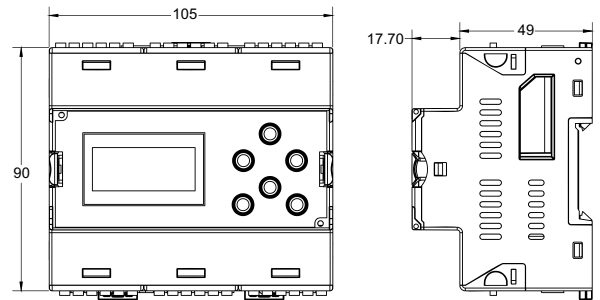
FLEXYS RAIL(140x93.4x72mm)



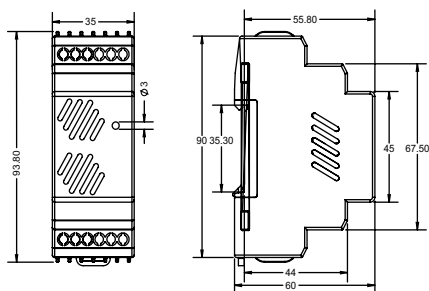
MiBRX 2M



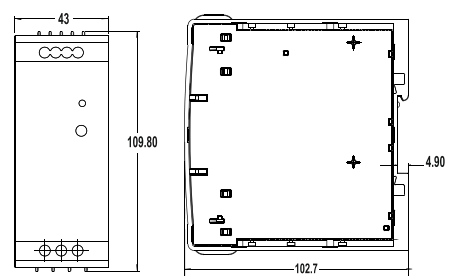
MiBRX 6M(105x90x49mm)



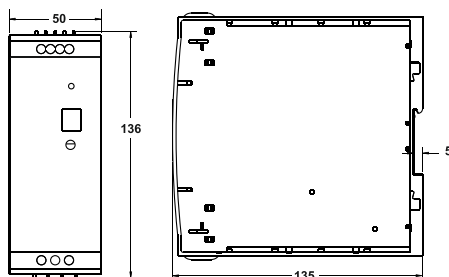
RP-2M-1.1A-24VDC / RPS40



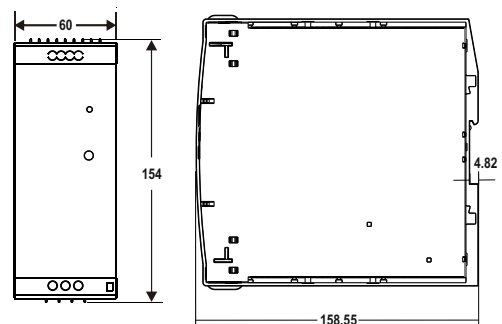
RPS60 / RPS120



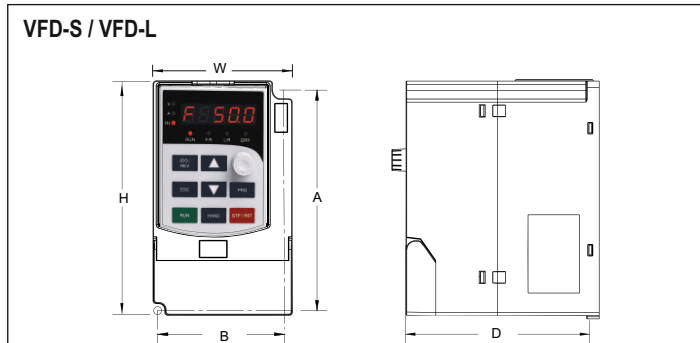
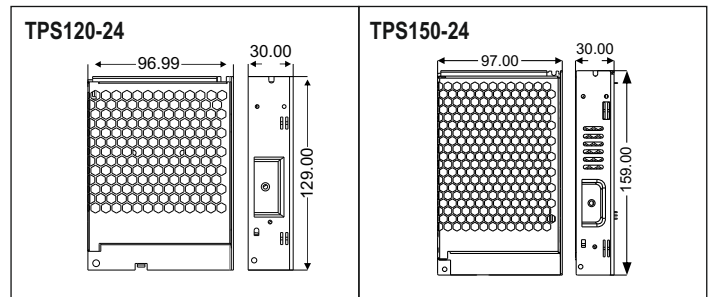
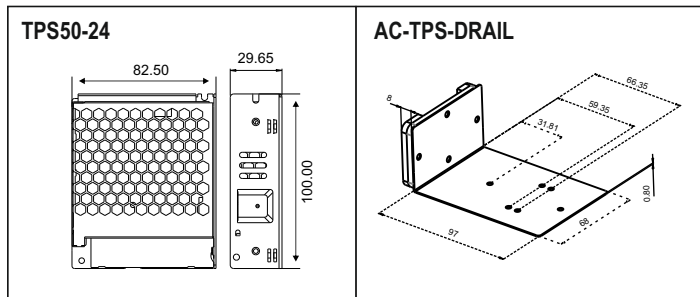
RPS240



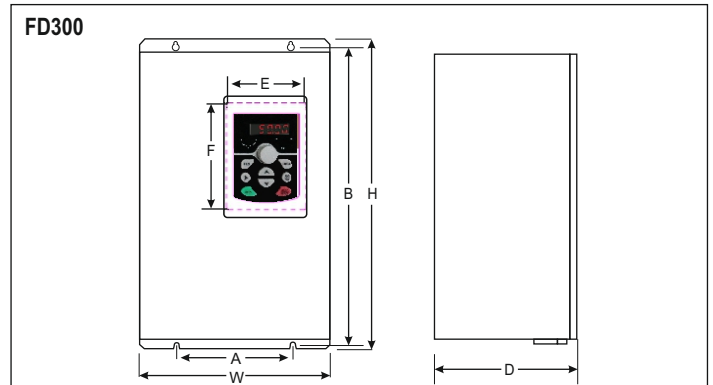
RPS480 / LRPS240



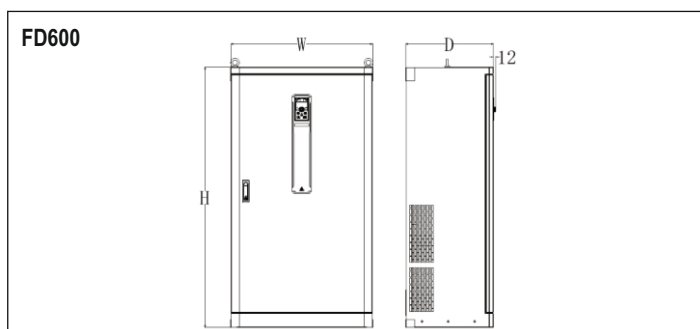
Panel Cutout Dimensions (All are in mm)



Product code	Mounting dimension		Dimension			Pore diameter (mm)
	A	B	H	W	D	
VFD-L-1-002-230V	141	80.5	150	89	123	5.2
VFD-L-1-005-230V						
VFD-L-1-010-230V						
VFD-S-1-002-230V						
VFD-S-1-005-230V						
VFD-S-1-010-230V						
VFD-S-1-020-230V						
VFD-S-1-030-230V						
VFD-S-3-005-415V						
VFD-S-3-010-415V						
VFD-S-3-020-415V						
VFD-S-3-030-415V						
VFD-S-1-050-230V	240	148	247	160	173	10
VFD-SH-3-050-B-415V						
VFD-SH-3-075-B-415V						
VFD-SH-3-100-B-415V						
VFD-SH-3-150-B-415V	305	205	320	220	196.5	10
VFD-SH-3-200-B-415V						



Product code	Mounting dimension		Dimension			Pore diameter
	A (mm)	B (mm)	H (mm)	W (mm)	D (mm)	
FD300-1-010-C-CE	80.5	141	152	89	123	Φ5.2
FD300-1-020-C-CE						
FD300-1-030-C-CE						
FD300-3-010-C-CE						
FD300-3-020-C-CE						
FD300-3-030-C-CE						
FD300-3-050-C-CE	107	175	185	118	167	Φ4.5
FD300-3-075-C-CE						
FD300-3-100-C-CE	148	235	247	160	190	Φ5.5
FD300-3-150-C-CE						
FD300-3-200-C-CE	205	305	320	220	205	Φ5.5
FD300-3-250-C-CE						
FD300-3-300-C-CE						
FD300-3-400-C-CE	180	416	432	255	234.5	Φ7
FD300-3-500-C-CE						
FD300-3-600-C-CE	244	497	518	300	260	Φ9
FD300-3-750-C-CE						
FD300-3-1000-C-CE	300	598	620	390	300	Φ11
FD300-3-1200-C-CE						
FD300-3-1500-C-CE						
FD300-3-1750-C-CE	350	745	780	480	360	Φ12
FD300-3-2100-C-CE						



Product code	Mounting dimension		Dimension			Pore diameter
	A (mm)	B (mm)	H (mm)	W (mm)	D (mm)	
FD600-3-010-EB-CE	76	156	165	86	140	5
FD600-3-020-EB-CE						
FD600-3-030-EB-CE						
FD600-3-050-EB-CE	98	182	192	110	165	5
FD600-3-075-EB-CE						
FD600-3-100-EB-CE	111	223	234	123	176	6
FD600-3-150-EB-CE	147	264	275	160	186	6
FD600-3-200-EB-CE						
FD600-3-250-EB-CE	174	319	330	189	186	6
FD600-3-300-EB-CE						
FD600-3-400-EB-CE	200	410	425	255	206	7



CERTIFICATIONS



SUBSIDIARIES

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