AMC16MA Data Center Monitor Device

General

AMC16MA multi-loop acquisition module is applicable to electricity collection.

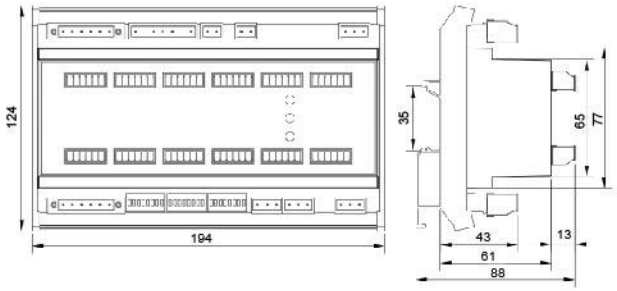
Technical Parameter

Technical Parameter			Value
Distribution System			AC
Measurement of electrical parameters			Three-phase 2 channels inlet II,U,P,Q,EP,EQ,S;
			Single-phase 36 channels outlet (Three-phase12 channels outlet) I,U,P,Q,EP,EQ;
Busbar voltage	Rated voltage		220V AC
	Range		40～400V AC
	Overload		1.2 times(continuous), 10 times lasting 1 second(instantaneous)
Current	Inlet	CT	XXA/5A
		Range	0～10A
	Outlet	CT	100A/20mA
		Range	0～120%
	Overload		1.2 times for continuous, and 10 times/5 seconds for instantaneous
Frequency			45～65Hz
Accuracy	Inlet		Class 1.0
	Outlet		Class 2.0
Auxiliary Power Supply			AC85-265V/DC100-350V
Insulation resistance			100MΩ
Envir -onment	Temperature		Operation:-15℃～55℃ Storage:-25℃～70℃
	Humidity		Relative humidity≤93%
	Altitude		≤2500m
Switch output			5A 250VAC/5A 30VDC
Communication			RS485(Modbus-RTU)
Installation			DIN 35mm

Working environment

Environment	Temperature	Operation:-15℃～55℃ Storage:-25℃～70℃
	Humidity	Relative humidity≤93%
	Altitude	≤2500m

Dimension drawings(Unit: mm)



Wiring

Terminal No.	Definition	Description	Remark
1	L	AC power supply input	AC220V
2	N		
4	IA1*	Phase-A 1 current	
5	IA1		AC direct grounding
6	IB1*	Phase-B 1 current	
7	IB1		AC direct grounding
8	IC1*	Phase-C 1 current	
9	IC1		AC direct grounding
10	UN	AC voltage null line	
11	UA	Phase-A AC voltage	
12	UB	Phase-B AC voltage	Splicing with 11 in single-phase or direct current
13	UC	Phase-C AC voltage	Splicing with 11 in single-phase or direct current
14	IA2*	Phase-A 2 current	
15	IA2		AC direct grounding
16	IB2*	Phase-B 2 current	
17	IB2		AC direct grounding supply grounding
18	IC2*	Phase-C 2 current	
19	IC2		AC direct grounding
21	L	Power supply	DC48V
22	N		
30	A1	RS485 Communication 1	
31	B1		
40	A2	RS485 Communication 2	
41	B2		
50		Switch output	
51			
I1～I36	+	Outlet current	"+" is connected to the negative terminal of mutual inductor in AC signal without grounding; "-" is connected to power ground in DC signal
	-		
Addr1	Address 1	Address setting of Communication 1	Setting method is given in device panel in detail
Addr2	Address 2	Address setting of Communication 2	
Baud1	Baud rate 1	Baud rate setting of Communication 1	
Baud2	Baud rate 2	Baud rate setting of Communication 2	
Clr.e		Energy resetting	Setting method is given in 6-Parameter Setting in detail.