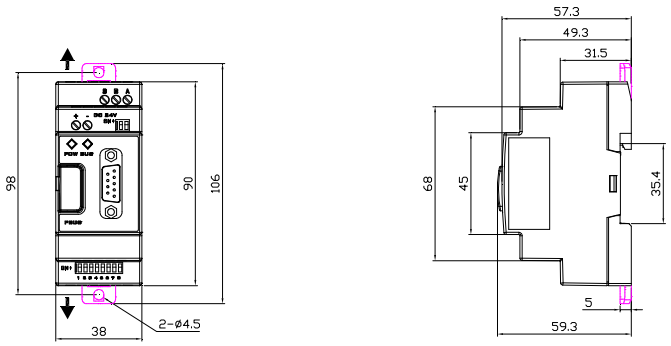
Operating Instructions

4KA72X162W01 Ver:02 2008.04

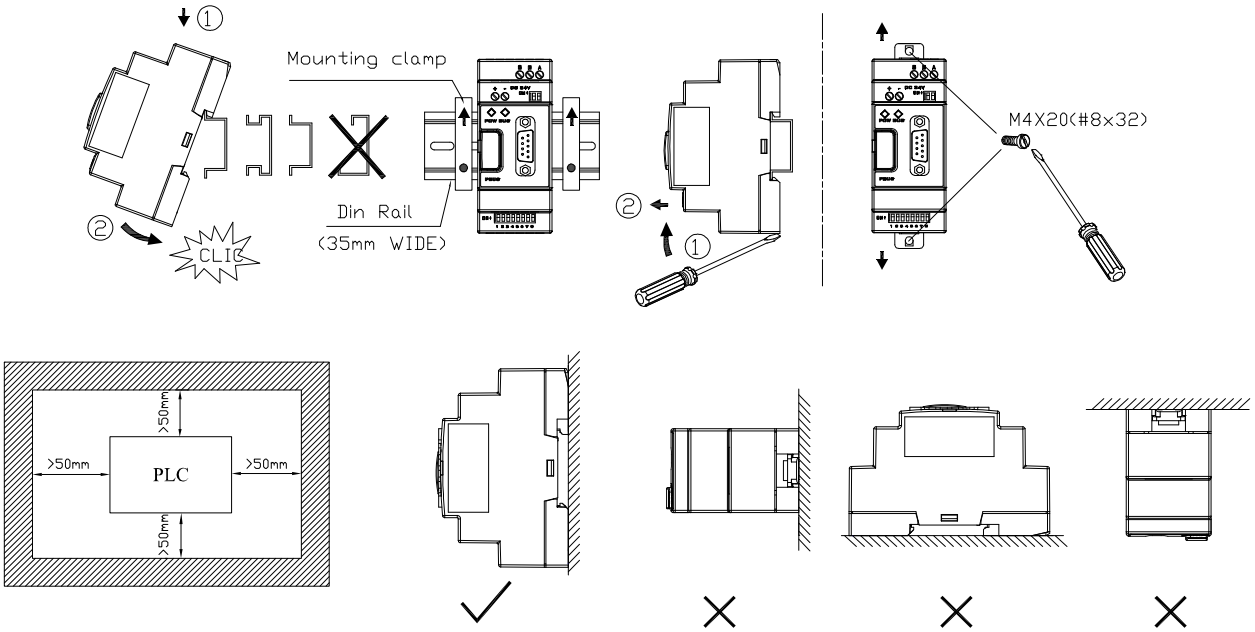
This sheet provides brief operating instructions of the PBUS type module. For details, Please refer to the User's Operation Manual.

● Dimensions:

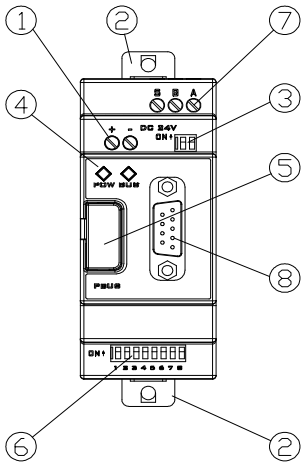
Unit: mm(1inch=25.4mm)



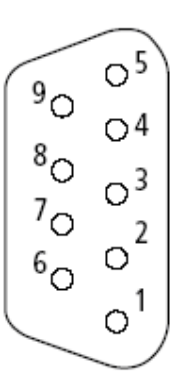
●Mounting:

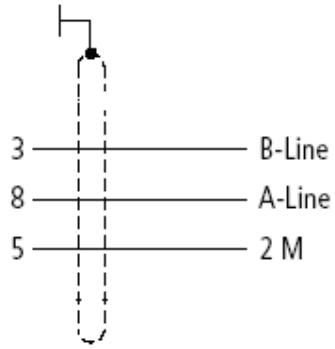


● Name & Function:



①	Power supply terminals
②	Retractable mounting feet
③	2PIN dip switch (choosing terminating resistors)
④	Module state LED/ Network state LED
⑤	Press-button
⑥	8PIN dip switch（SW1~SW8） SW1~ SW 7：Setup network ID
⑦	RS485
⑧	Profibus DP connection 9-pole socket

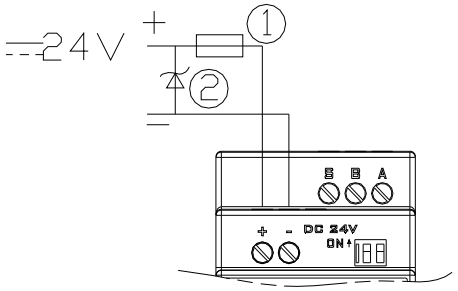




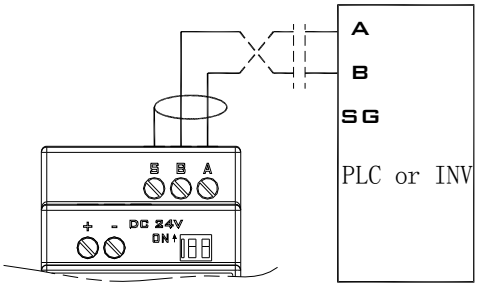
Pin	Signal name	Description
1	Unused	
2	Unused	
3	RxD/TxD-P (B- Line)	Send/receive data (positive)
4	Unused	
5	DGND（2M）	Data reference potential
6	Unused	
7	Unused	
8	RxD/TxD-N (A-Line)	Send/receive data (negative)
9	Unused	

● Wiring：

DC Power:



RS485:



①：A quick-blowing fuse, circuit-breaker or circuit protector.

②：Surge absorber.

● LED Display：

POW LED and BUS LED are used to monitor the PBUS communication status.

LED state	**Description**	**Corrective Actions**
POWER LED		
OFF	No power	Verify the power supply of PBUS unit.
Orange	SPComm not establish	1, Check the connection between the PBUS unit and base unit (PLC or Drive) 2, Check the communication setting in base unit is (19200, 8, N, 1)
Flashing Red LED（1Hz）	SPComm error occur	Check the PLC program and ensure the communication address in PBUS unit is correct.
Rapid Flashing Red LED（4Hz）	Invalid PBUS address set via switch	Check whether the switch value is valid, valid value of slave is within 1~125. Set the valid value and re-power.
Green flash （4Hz）	Power supply present，DPComm not establish	
Green on	DPComm is established	
BUS LED		
OFF	DPComm not establish	1, Verify network installation is OK 2, Check the user parameter assignment of PBUS unit is correct
Green on	DPComm is established	