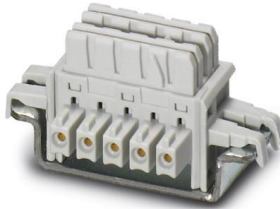


**POWER BRIDGE FOR POWER SUPPLY**



**ORDERING CODE**

**ME 6,2 TBUS-2 1,5/5-ST-3,81KMGY**

**DESCRIPTION**

This power bridge is used to interconnect signal conditioners to supply them with power by plugging their rear connectors together. Each power bridge allows connection of two modules. Two or more power bridges can be combined for expansion. The unit is intended for use with any of the following:

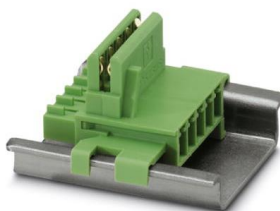
- (1) IMC1, 5/ 5-ST-3,81 GY7035 AU (1 pc)
- (2) MC1, 5/ 5-ST-3,81 GY7035 AU (1 pc)
- (3) MINI MCR-SL-PTB (1 pc)
- (4) MINI-SYS-PS100-240AC/24DC/1.5 (1 pc) and ME 17,5 TBUS 1,5/5-ST-3,81 (2 pcs)

**SPECIFICATIONS**

Nominal Current 8A

**Note:** Power bridges must always be used with an AC power supply unit (MINI-SYS-PS100-240AC/24DC/1.5), a DC power terminal block (MINI MCR-SL-PTB), or a power bridge connector (IMC1, 5/ 5-ST-3,81 GY7035 AU or MC1, 5/ 5-ST-3,81 GY7035 AU). When power is supplied using power bridges, power supply must not be directly connected to the power terminals of each signal conditioner.

**POWER BRIDGE FOR AC POWER SUPPLY UNIT**



**ORDERING CODE**

**ME 17,5 TBUS 1,5/5-ST-3,81**

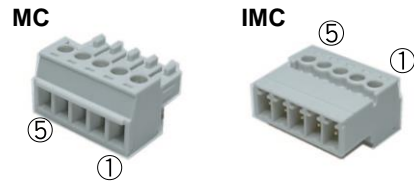
**DESCRIPTION**

This power bridge is used to connect an AC supply unit. Two power bridges are required per AC power supply unit.

**SPECIFICATIONS**

Nominal Current 8A

**POWER BRIDGE CONNECTOR**



①	+	POWER
②	-	POWER
③		N.C.
④		N.C.
⑤		N.C.

**ORDERING CODE**

**MC 1,5/ 5-ST-3,81 GY7035 AU**  
**IMC 1,5/ 5-ST-3,81 GY7035 AU**

**DESCRIPTION**

These are connectors used for power bridges to supply power to signal conditioners without using an AC power supply unit (MINI-SYS-PS100-240AC/24DC/1.5) nor a DC power terminal block (MINI MCR-SL-PTB).

A single power bridge connector is normally used for two or more connected power bridges, but can also be used for a single power bridge.

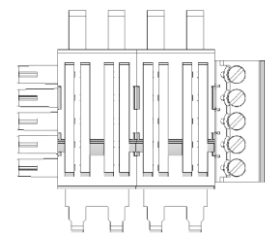
The MC 1,5/ 5-ST-3,81 GY7035 AU is for right side connection and the IMC 1,5/ 5-ST-3,81 GY7035 AU is for left side connection.

**SPECIFICATIONS**

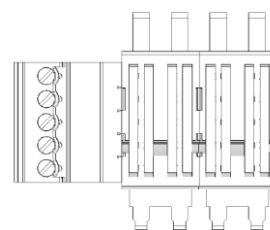
Nominal Current 8A

**EXAMPLES OF USE**

MC 1,5/ 5-ST-3,81 GY7035 AU:  
Connected with two power bridges (ME 6,2 TBUS-2 1,5/5-ST-3,81KMGY).



IMC 1,5/ 5-ST-3,81 GY7035 AU:  
Connected with two power bridges (ME 6,2 TBUS-2 1,5/5-ST-3,81KMGY).



### AC POWER SUPPLY UNIT



#### ORDERING CODE

**MINI-SYS-PS100-240AC/24DC/1.5**

#### DESCRIPTION

This is an AC power supply unit for supplying power to signal conditioners via power bridges. The unit requires special power bridges for AC power supply units (ME 17,5 TBUS 1,5/5-ST-3,81).

#### SPECIFICATIONS

##### ● INPUT SECTION

Rated Input Range	100V AC to 240V AC
Input Voltage Range	85V AC to 264V AC
Frequency Range	45Hz to 65Hz

##### ● OUTPUT SECTION

Rated Output Voltage	24V DC±1%
Output Current	1.5A
Output Current Limitation	7A (when short circuited)

**Note:** For operation of our MS5000 Series signal conditioners, the total maximum current consumption of all the units connected must not exceed 1.5A. If it exceeds 1.5A, it is required that you change your combination of the modules or reduce the number of the units connected, based on the maximum current consumption for MS5000 Series (see table below).

Maximum Current Consumption for MS5000 Series		
Model	Maximum Current Consumption	
	Voltage Output	Current Output
MS5001	45mA	65mA
MS5002	35mA	50mA
MS5003	24mA	50mA
MS5004	24mA	50mA
MS5007	65mA	83mA

\* All of the accessories are made by PHOENIX CONTACT. For detailed product information, please visit their website.

### DC POWER TERMINAL BLOCK



①	+	POWER1
②	-	POWER1
③		N.C.
④		N.C.
⑤	+	POWER2
⑥	-	POWER2
⑦		N.C.
⑧		N.C.

#### ORDERING CODE

**MINI MCR-SL-PTB**

#### DESCRIPTION

This is a DC power terminal block for supplying power to signal conditioners via power bridges. Two separate voltage inputs allow a redundant voltage supply of 24V DC.

#### SPECIFICATIONS

##### ● INPUT SECTION

Input Voltage Range	22.4V DC to 27.2V DC
Maximum Input Current	2A

LED Indicators A green LED is ON while power is being supplied. (A red LED turns on if the power supply is connected with reversed polarity. It will turn off when the power is properly connected.)

##### ● OUTPUT SECTION

Output Voltage	Input voltage - 0.8V
Output Current	≤ 2A

**Note 1:** For operation of our MS5000 Series signal conditioners, the total maximum current consumption of all the units connected must not exceed 2A. If it exceeds 2A, it is required that you change your combination of the modules or reduce the number of the units connected, based on the maximum current consumption for MS5000 Series (see table below).

**Note 2:** Input voltage should be adjusted so that the output voltage falls within the allowable power input range of each module.