

## Composition

### References and characteristics

To order ruggedized modules and racks, see the reference pages 5/3 to 5/11 (the references of the ruggedized products available include the suffix "H").  
The standard separate parts (cordsets, cables, sub-bases, etc.) that are compatible with the ruggedized modules offer are listed in the reference pages (see pages 5/3 to 5/11).  
The majority of operating and electrical characteristics of ruggedized modules are identical to those of their equivalent standard versions. However, some characteristics are subject to either derating or limitation. Please consult our website [www.schneider-electric.com](http://www.schneider-electric.com).

## Ruggedized power supply modules

Each **BMXBP●●00H** rack must be equipped with a power supply module. These modules are inserted in the first two slots of each rack (marked CPS).  
The available power values given below in **bold italic** correspond to operation at - 25 °C/- 13 °F and + 70 °C/158 °F (see temperature derating curves on our website [www.schneider-electric.com](http://www.schneider-electric.com)).  
The power required to supply each rack depends on the type and number of modules installed in the rack. It is therefore necessary to draw up a power consumption table for each rack in order to determine which is the most appropriate **BMXCPS●●●0H** power supply module for your requirements (consult our website [www.schneider-electric.com](http://www.schneider-electric.com)).

### Power supply modules (1)

Line supply	Available power (2)			Reference	Weight kg/lb
	3.3 V $\overline{\overline{\text{---}}}$ (3)	24 V $\overline{\overline{\text{---}}}$ rack (3)	24 V $\overline{\overline{\text{---}}}$ sensors (4)		
24...48 V $\overline{\overline{\text{---}}}$ isolated	15 W <b>11.3 W</b>	31.2 W <b>23.4 W</b>	–	<b>BMXCPS3020H</b>	0.340/ 0.750
100...240 V ~	15 W <b>11.3 W</b>	31.2 W <b>23.4 W</b>	21.6 W <b>16.2 W</b>	<b>BMXCPS3500H</b>	0.360/ 0.794

### Standard separate part

Description	Type	Composition	Reference	Weight kg/lb
Set of 2 removable connectors	Spring-type	One 5-way terminal block and one 2-way terminal block	<b>BMXXTSCPS20</b>	0.015/ 0.033

### Standard replacement part

Description	Type	Composition	Reference	Weight kg/lb
Set of 2 removable connectors	Cage clamp	One 5-way terminal block and one 2-way terminal block	<b>BMXXTSCPS10</b>	0.020/ 0.044

- (1) Includes a set of 2 cage clamp removable connectors **BMXXTSCPS10**.  
 (2) The total power consumed on each voltage (3.3 V  $\overline{\overline{\text{---}}}$  and 24 V  $\overline{\overline{\text{---}}}$ ) must not exceed the total power of the module. See the power consumption table on our website [www.schneider-electric.com](http://www.schneider-electric.com).  
 (3) 3.3 V  $\overline{\overline{\text{---}}}$  and 24 V  $\overline{\overline{\text{---}}}$  rack voltages for powering Modicon M340 and M580 PLC modules.  
 (4) 24 V  $\overline{\overline{\text{---}}}$  sensor voltage for powering the input sensors (voltage available via the 2-way removable connector on the front panel).



BMXCPS3020H



BMXCPS3500H