



## Main

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Range of product             | Modicon X80                                                                                         |
| Product or component type    | Power supply module                                                                                 |
| Backplane compatibility      | Not compatible with BMEXBP..02                                                                      |
| Product specific application | Extended temperature                                                                                |
| Primary voltage              | 125 V                                                                                               |
| Supply circuit type          | DC                                                                                                  |
| Secondary power              | 15 W 3.3 V DC I/O module logic power supply<br>31.2 W 24 V DC I/O module power supply and processor |

## Complementary

|                                |                                                                                                                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary voltage limit          | 100...150 V                                                                                                                                                                                                                                                   |
| Input current                  | 350 mA 125 V                                                                                                                                                                                                                                                  |
| Inrush current                 | 30 A 125 V                                                                                                                                                                                                                                                    |
| I <sup>2</sup> t on activation | 2 A <sup>2</sup> .s 125 V                                                                                                                                                                                                                                     |
| It on activation               | 0.05 A.s 125 V                                                                                                                                                                                                                                                |
| Protection type                | Internal fuse not accessible primary circuit<br>Overload protection secondary circuit, 24 V sensor power supply<br>Overvoltage protection secondary circuit, 24 V sensor power supply<br>Short-circuit protection secondary circuit, 24 V sensor power supply |
| Current at secondary voltage   | 1.3 A 24 V DC I/O module power supply and processor<br>4.5 A 3.3 V DC I/O module logic power supply                                                                                                                                                           |
| Maximum power dissipation in W | 8.5 W                                                                                                                                                                                                                                                         |
| Status LED                     | Rack voltage OK 1 LED Green)<br>Sensor voltage 1 LED Green)                                                                                                                                                                                                   |
| Control type                   | RESET push-button cold restart                                                                                                                                                                                                                                |
| Electrical connection          | 1 connector 2 alarm relay<br>1 connector 5 line supply, protective earth, 24 V DC input sensor                                                                                                                                                                |
| Insulation resistance          | >= 100 MOhm primary/ground<br>>= 100 MOhm primary/secondary                                                                                                                                                                                                   |
| Net Weight                     | 0.79 lb(US) (0.36 kg)                                                                                                                                                                                                                                         |

## Environment

|                                     |                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks             | 1 ms                                                                                                                                                                                                       |
| Dielectric strength                 | 2000 V primary/secondary I/O module logic power supply<br>500 V 24 V sensor output/ground                                                                                                                  |
| Vibration resistance                | 3 gn                                                                                                                                                                                                       |
| Shock resistance                    | 30 gn                                                                                                                                                                                                      |
| IP degree of protection             | IP20                                                                                                                                                                                                       |
| Directives                          | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility                                                                                                                           |
| Environmental characteristic        | Gas resistant class Gx<br>Gas resistant class 3C4<br>Dust resistant class 3S4<br>Sand resistant class 3S4<br>Salt resistant level 2<br>Mold growth resistant class 3B2<br>Fungal spore resistant class 3B2 |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C)                                                                                                                                                                                 |

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                        |
| Relative humidity                     | 5...95 % 131 °F (55 °C) without condensation                      |
| Protective treatment                  | Conformal coating                                                 |
| Operating altitude                    | 0...6561.68 ft (0...2000 m)<br>2000...5000 m with derating factor |

### Ordering and shipping details

|                       |                       |
|-----------------------|-----------------------|
| Category              | 18160 - MODICON M340  |
| Discount Schedule     | PC34                  |
| GTIN                  | 00785901675853        |
| Nbr. of units in pkg. | 1                     |
| Package weight(Lbs)   | 1.06 lb(US) (0.48 kg) |
| Returnability         | Yes                   |
| Country of origin     | ID                    |

### Packing Units

|                  |                      |
|------------------|----------------------|
| Package 1 Height | 5.39 in (137.000 mm) |
| Package 1 width  | 6.18 in (157.000 mm) |
| Package 1 Length | 6.18 in (157.000 mm) |

### Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.                                                                                                                                                                |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Modules Mounted on Racks

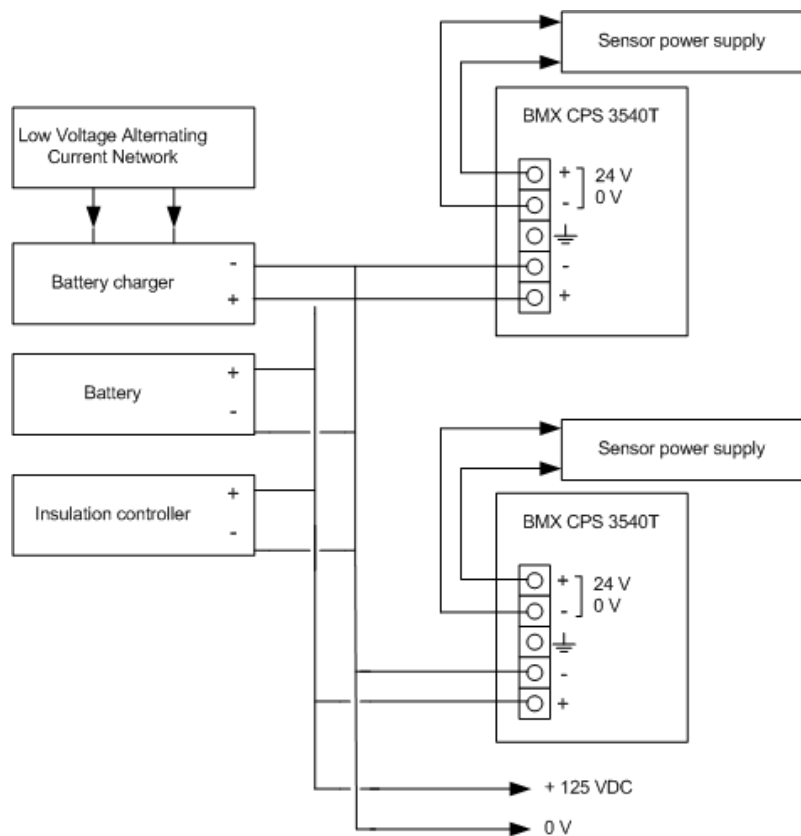
### Dimensions



- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| Rack references            | a in mm | a in in. |
|----------------------------|---------|----------|
| BMXXBP0400 and BMXXBP0400H | 242.4   | 09.54    |
| BMXXBP0600 and BMXXBP0600H | 307.6   | 12.11    |
| BMXXBP0800 and BMXXBP0800H | 372.8   | 14.68    |
| BMXXBP1200 and BMXXBP1200H | 503.2   | 19.81    |

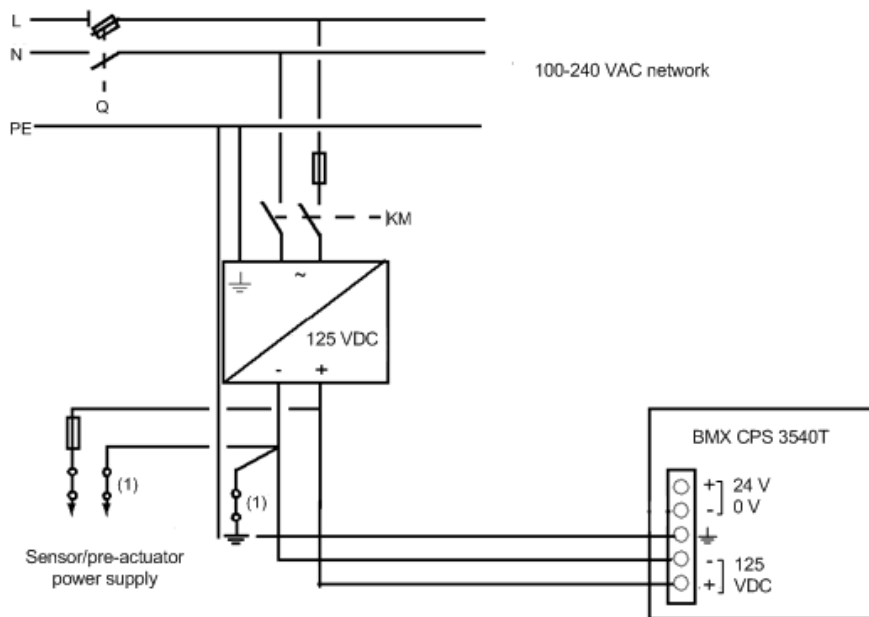
## Connection of Direct Current Power Supply Modules to a 125 VDC Floating Direct Current Network



125 VDC floating network for the power supply of sensors, actuators and input/out modules.

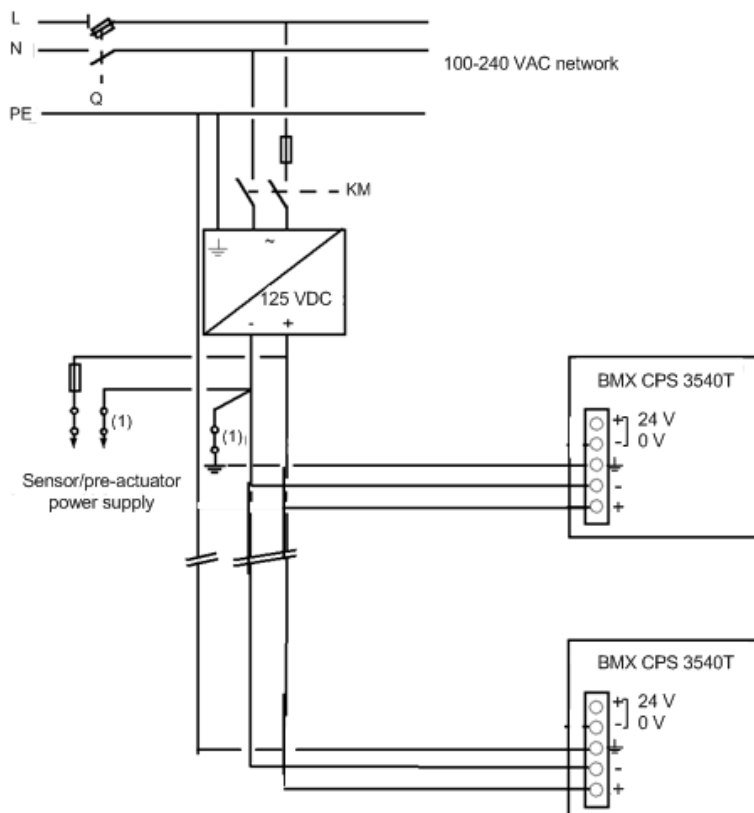
## Connection of Direct Current Power Supply Modules to an Alternating Current Network

## Connection of a Single Rack PLC Station



- Q General isolator
- KM Line contactor or circuit breaker
- (1) Insulation connector bar for grounding

## Connection of a Multi-Rack PLC Station



- Q General isolator
- KM Line contactor or circuit breaker
- 1 Insulation connector bar for grounding