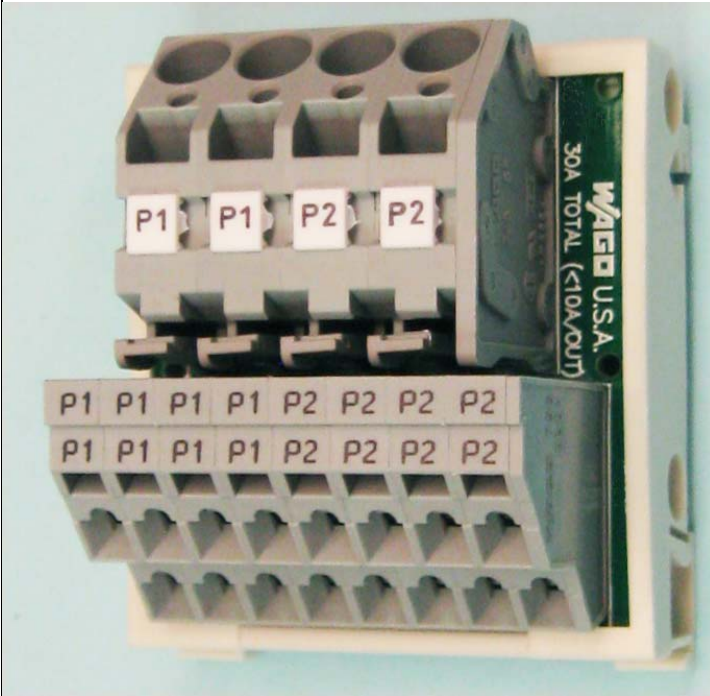
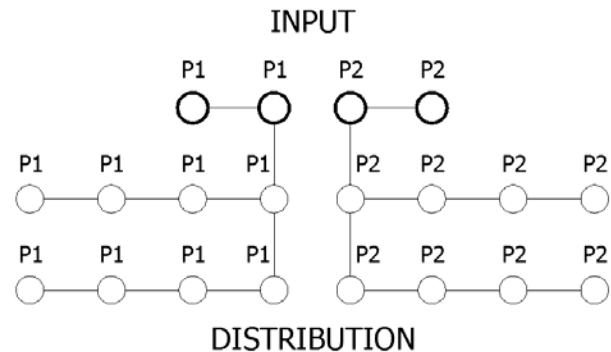


**2-Pole Power Distribution Module, 8 outputs and 1 feedthrough per pole**
**830-800/000-305**

**SCHEMATIC DIAGRAM**


| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | WAGO Ref .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Designation     | Pack. Unit |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|-------------------|-------------|------------------------------|---------|--------------------------------|----------|--------------------------------------|---------|--------------------------------------|----------------------------------------|-------------------------|-------------------------------------------|--------------------------------------------|----------------------|-------------------------------|--------------------|-------------------------------------------------------------------|--------------|---------------------|------------------------|-----------------------|---------------|------------------|-----|---------|---------------------------|
| 2-Pole Power Distribution Module, 8 outputs & 1 feedthrough / pole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 830-800/000-305 | 6          |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| <b>Features</b> <ul style="list-style-type: none"><li>This module is designed for distributing power to I/O points of PLCs or similar controllers in overvoltage category II and pollution degree 2 installations.</li><li>35mm DIN rail mounting feet are provided.</li><li>RoHS compliant.</li><li>Cage Clamp® connectors.</li><li>To comply with NEC or CEC, an external disconnect and overcurrent protection based on the installed wire size is required.</li><li>Live parts are likely to be touched! A contact protection must be guaranteed by the system installer.</li><li>Electrical ratings are based on the module being installed in a minimum enclosure size of 12x12x6" [305x305x152mm].</li><li>* The cumulative (8) output loads and feedthrough per potential must not exceed the current rating of the input terminal.</li></ul> | <b>Technical Data</b> <table><tr><td>Operating voltage</td><td>250 V AC/DC</td></tr><tr><td>Maximum input current / pole</td><td>30 Amps</td></tr><tr><td>Maximum load / output position</td><td>10 Amps*</td></tr><tr><td>*Maximum cumulative load / potential</td><td>30 Amps</td></tr><tr><td>Input / feedthrough wire connections</td><td>Cage Clamp<br/>0.2 - 6mm² / AWG 24 – 10</td></tr><tr><td>Output wire connections</td><td>Cage Clamp<br/>0.08 – 2.5mm² / AWG 28 - 12</td></tr><tr><td>Stripped wire length (input / feedthrough)</td><td>11-12mm / 0.39-0.43"</td></tr><tr><td>Stripped wire length (output)</td><td>5-6mm / 0.20-0.24"</td></tr><tr><td>Dimensions (mm) W x H x L<br/>(height from upper-edge of DIN rail)</td><td>49 x 38 x 55</td></tr><tr><td>Minimum temperature</td><td>-35°C (without impact)</td></tr><tr><td>Operating temperature</td><td>-20°C to 50°C</td></tr><tr><td>Maximum Humidity</td><td>95%</td></tr><tr><td>Safety:</td><td>c-ULus 61010-2-201 Listed</td></tr></table> |                 |            | Operating voltage | 250 V AC/DC | Maximum input current / pole | 30 Amps | Maximum load / output position | 10 Amps* | *Maximum cumulative load / potential | 30 Amps | Input / feedthrough wire connections | Cage Clamp<br>0.2 - 6mm² / AWG 24 – 10 | Output wire connections | Cage Clamp<br>0.08 – 2.5mm² / AWG 28 - 12 | Stripped wire length (input / feedthrough) | 11-12mm / 0.39-0.43" | Stripped wire length (output) | 5-6mm / 0.20-0.24" | Dimensions (mm) W x H x L<br>(height from upper-edge of DIN rail) | 49 x 38 x 55 | Minimum temperature | -35°C (without impact) | Operating temperature | -20°C to 50°C | Maximum Humidity | 95% | Safety: | c-ULus 61010-2-201 Listed |
| Operating voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 250 V AC/DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Maximum input current / pole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30 Amps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Maximum load / output position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10 Amps*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| *Maximum cumulative load / potential                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30 Amps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Input / feedthrough wire connections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cage Clamp<br>0.2 - 6mm² / AWG 24 – 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Output wire connections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cage Clamp<br>0.08 – 2.5mm² / AWG 28 - 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Stripped wire length (input / feedthrough)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 11-12mm / 0.39-0.43"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Stripped wire length (output)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5-6mm / 0.20-0.24"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Dimensions (mm) W x H x L<br>(height from upper-edge of DIN rail)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 49 x 38 x 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Minimum temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -35°C (without impact)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Operating temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -20°C to 50°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Maximum Humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |
| Safety:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | c-ULus 61010-2-201 Listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |            |                   |             |                              |         |                                |          |                                      |         |                                      |                                        |                         |                                           |                                            |                      |                               |                    |                                                                   |              |                     |                        |                       |               |                  |     |         |                           |



File E333908  
UL 61010-2-201