



Main

| | |
|---------------------------|-----------------------------|
| Range of Product | Phaseo |
| Product or Component Type | Redundancy module |
| Input voltage | 24...28.8 V DC |
| Output voltage | (U _{in} -0.2) V DC |
| Maximum output current | 40 A |

Complementary

| | |
|---------------------------|---|
| Input voltage limits | 22...30 V |
| Input current | 20 A |
| Number of output channels | 1 |
| Output protection type | Against overload external protection by power supply Against short-circuits external protection by power supply |
| Connections - terminals | Output connection screw type terminals 2 x 0.5...2 x 10 mm ² AWG 20...AWG 8 Input connection screw type terminals 4 x 0.5...4 x 10 mm ² AWG 20...AWG 8 Diagnostic relay removable screw terminal block 1 x 2.5 mm ² AWG 14 |
| Fixing mode | By clips 35 mm symmetrical DIN rail horizontal By clips 35 mm symmetrical DIN rail vertical |
| Output coupling | Parallel |
| Operating altitude | 6561.68 ft (2000 m) |
| Marking | CE |
| Name of test | Electrostatic discharges IEC 61000-4-2 Emission IEC 61000-6-3 Induced electromagnetic field IEC 61000-4-6 level 3 Radiated electromagnetic field IEC 61000-4-3 level 3 Rapid transient IEC 61000-4-4 level 3 Surge IEC 61000-4-5 level 2 Conducted/Radiated emissions EN 55022 Class B Emission EN 50081-1 |
| Local signalling | For power supply status 1 LED per input (green) For power supply status 1 relay |
| Net Weight | 1.54 lb(US) (0.7 kg) |

Environment

| | |
|---------------------------------------|---|
| Product Certifications | EAC[RETURN]RCM |
| Standards | CSA C22.2 No 60950-1 UL 508 |
| Ambient Air Temperature for Operation | -13...140 °F (-25...60 °C) |
| Ambient Air Temperature for Storage | -40...185 °F (-40...85 °C) |
| Environmental characteristic | EMC IEC 61000-6-3 EMC IEC 61000-6-2 Safety IEC 60950-1 Safety EN/IEC 61204 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Dielectric strength | 500 V between input and ground 500 V between output and ground |
| Overvoltage category | Class II VDE 0106-1 |

| | |
|----------------------|--|
| Relative Humidity | 0...90 % during operation 0...95 % during storage |
| MTBF reliability | 2488391 H at 24 V DC with UTE C80-810 calculation method |
| Vibration resistance | 2 gn 11.9...150 Hz)IEC 61131-2 3.5 mm 3...11.9 Hz)IEC 61131-2 |




Ordering and shipping details

| | |
|-------------------|-----------------------------------|
| Category | 22525-ABL8 AND ABL7 POWER SUPPLIE |
| Discount Schedule | CP12 |
| GTIN | 3389119406871 |
| Returnability | Yes |
| Country of origin | PH |

Packing Units

| | |
|------------------------------|---------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.56 in (6.5 cm) |
| Package 1 Width | 6.50 in (16.5 cm) |
| Package 1 Length | 6.30 in (16.0 cm) |
| Package 1 Weight | 20.95 oz (594.0 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 11.81 in (30.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 13.10 lb(US) (5.94 kg) |
| Unit Type of Package 3 | PAL |
| Number of Units in Package 3 | 80 |
| Package 3 Height | 30.31 in (77.0 cm) |
| Package 3 Width | 23.62 in (60.0 cm) |
| Package 3 Length | 31.50 in (80.0 cm) |
| Package 3 Weight | 136.08 lb(US) (61.724 kg) |

Offer Sustainability

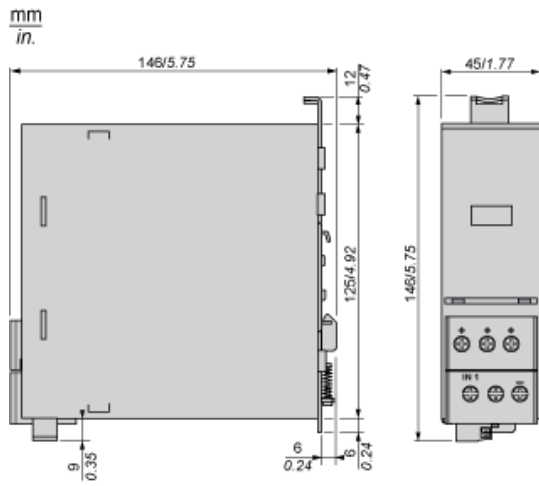
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| PVC free | Yes |

Contractual warranty

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

Redundancy Module

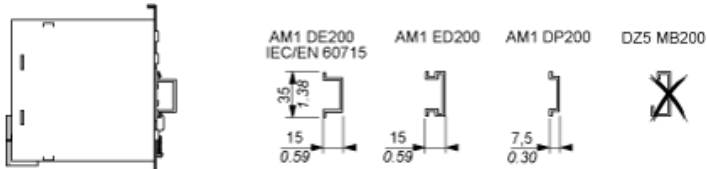
Dimensions



Redundancy Module

Mounting

Redundancy modules can be installed on a DIN rail. The graphic below provides the characteristics and references of the compatible DIN rails for the mounting of the module.

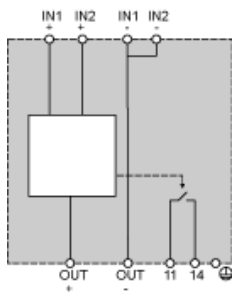


Wiring Requirements

Cable Types and Wire Sizes

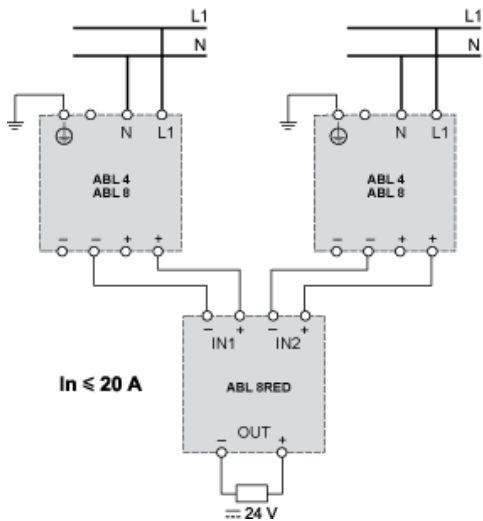
| | | | | | | |
|--|----------------------|--|-----|-----------------|------------------------|------------------------------|
| mm /in | | | ABL | 8RPS24030 | 8RPS24050 8RPS24100 | 8RPM24200 8WPS24200/24400 |
| $\varnothing \leq 4 \text{ mm}^2$ $\varnothing \leq 12 \text{ AWG}$ | | $\varnothing > 4 \text{ mm}^2$ $\varnothing > 12 \text{ AWG}$ | | | | |
| + In - | mm ² /AWG | | | 1...4 / 16...12 | | |
| + Out - | mm ² /AWG | | | 1...4 / 16...12 | 4...10 / 12...6 | |
| | mm/in | | | 4 / 0.16 | | |
| 11...14 | mm ² /AWG | | | - | 0,2...2,5 / 24...14 | |

Internal Wiring Diagram



Scheme of Use with Power Supplies

Wiring Diagram with $I_n \leq 20\text{mA}$



Wiring Diagram with $I_n \leq 40\text{mA}$

