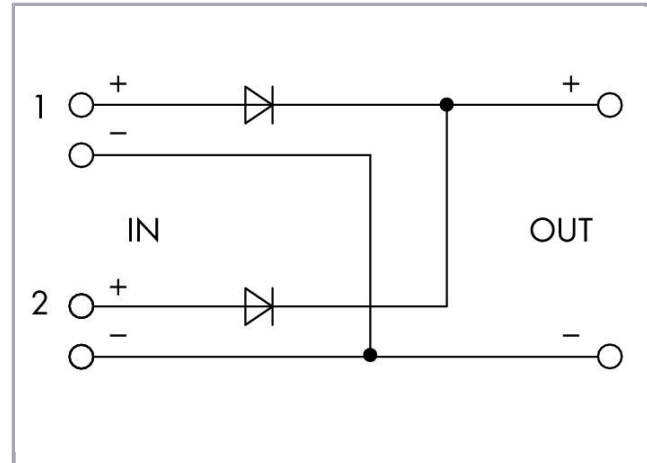


Data sheet | Item number: 787-783/000-040

Redundancy Module; 2 x 9 ... 54 VDC input voltage; 2 x 12.5 A input current;
9–54 VDC output voltage; 25 A output current



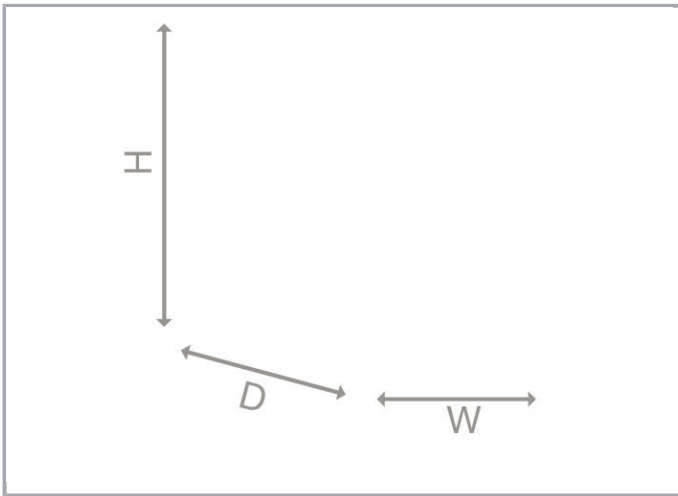
www.wago.com/787-783/000-040



Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

Features:

- Redundancy module with two inputs for decoupling two power supplies
- For redundant and fail-safe power supply
- With LED for input voltage monitoring on site and remotely

Data

Technical Data

Input

| | |
|---|--------------------------|
| Nominal input voltage $U_{i\text{nom}}$ | 2 x DC 24 V |
| Input voltage range | 2 x DC 9 ... 54 V |
| Nominal mains frequency range | 0 Hz |
| Input current I_i | $\leq 12,5$ A (per path) |

Output

| | |
|--|---------------------------------------|
| Nominal output voltage $U_{o\text{nom}}$ | DC 24 V |
| Output voltage range | DC 9 ... 54 V (U_e – voltage drop) |
| Voltage drop | $\leq 0,8$ V (Input/output) |
| Nominal output current $I_{o\text{nom}}$ | 25 A |
| Nominal output power | 600 W |
| Output power (max.) | ≤ 1350 W |

Subject to changes. Please also observe the further product documentation!



Signaling and communication

| | |
|----------------------------|--|
| Signaling | 1 x IN1 LED (green) 1 x IN2 LED (green) 1 x OUT LED (green) |
| Operation status indicator | 2 x Green LED ($U_i > 7.5$ VDC) 1 x Green LED ($U_o > 7.5$ VDC) |

Efficiency/Power losses:

| | |
|-------------------|----------------------------|
| Power loss P_l | ≤ 19 W (nominal load) |
| Efficiency (typ.) | 96 % |

Safety and protection:

| | |
|--|--------------------------------|
| Isolation voltage (connectors – housing) | DC 0,5 kV |
| Protection class | III |
| Protection type | IP20 (per EN 60529) |
| Resistance to reverse feed | \leq DC 60 V |
| Overvoltage protection; secondary | No |
| Short-circuit-protected | No |
| Open-circuit-proof | Yes |
| Parallel operation | Yes |
| Series operation | No |
| MTBF | > 10 million h (per IEC 61709) |

Connection data

| | |
|-------------------------|---|
| Connection type (1) | Input/Output |
| Connection technology | Push-in CAGE CLAMP® |
| WAGO Connector | WAGO 2706 Series |
| Solid conductor | 0,5 ... 6 mm ² / 20 ... 10 AWG |
| Fine-stranded conductor | 0,5 ... 6 mm ² / 20 ... 10 AWG |
| Strip length | 11 ... 12 mm / 0.43 ... 0.47 inch |

Geometrical Data

| | |
|-----------------------------------|---------------------|
| Width | 50 mm / 1.969 inch |
| Height | 130 mm / 5.118 inch |
| Depth from upper edge of DIN-rail | 92 mm / 3.662 inch |

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Mechanical data

| | |
|---------------|------------------------|
| Mounting type | DIN-35 rail (EN 60715) |
|---------------|------------------------|

Material Data

| | |
|--------|-------|
| Weight | 470 g |
|--------|-------|

Environmental Requirements

| | |
|---|---|
| Surrounding air temperature (operation) | -25 ... 70 °C |
| Surrounding air temperature (storage) | -40 ... 85 °C |
| Relative humidity | ≤ 95% (no condensation permissible) |
| Derating | -2.66 %/K (55 °C < T _{amb} ≤ 70 °C) |
| Pollution degree | 2 |
| Climatic category | 3K3 (per EN 60721; except for low air pressure) |
| Resistance to shock and vibration | Shock: 15g (per EN 60068-2-27) |

Standards and specifications

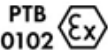
| | |
|--------------------------|---|
| Conformity marking | CE |
| Standards/specifications | UL 508; ATEX; IEC Ex; ANSI/ISA 12.12.01 (Class I Div.2) |

Commercial data

| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | CN |
| GTIN | 4055143889605 |
| Customs tariff number | 85044082900 |

Approvals / Certificates



Ex-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------|--------------------------|---------------------------|
|  | ATEX DEKRA EXAM GmbH | EN 60079-0 | BVS 17 ATEX E 010 X |
| | IECEX DEKRA EXAM GmbH | IEC 60079-0 | IECEX BVS 17.0003X |

Subject to changes. Please also observe the further product documentation!










UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UL Underwriters Laboratories Inc. | ANSI/ISA 12.12.01 | E484199 |
|  | UL Underwriters Laboratories Inc. | UL 508 | E255817 |

Counterpart

Compatible products












ferrule

| | | |
|---|---|--|
|  | Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
|  | Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
|  | Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
|  | Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
|  | Item no.: 216-205 Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated; yellow | www.wago.com/216-205 |
|  | Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue | www.wago.com/216-206 |
|  | Item no.: 216-207 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; gray | www.wago.com/216-207 |
|  | Item no.: 216-208 Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow | www.wago.com/216-208 |

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

| | | |
|---|--|--|
|  | Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
|  | Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |
|  | Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
|  | Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
|  | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
|  | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
|  | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
|  | Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
|  | Item no.: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-246 |
|  | Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-262 |
|  | Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-263 |
|  | Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-264 |
|  | Item no.: 216-266 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-266 |
|  | Item no.: 216-267 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-267 |
|  | Item no.: 216-284 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-284 |
|  | Item no.: 216-286 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-286 |
| | Item no.: 216-287 | |

Subject to changes. Please also observe the further product documentation!



Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-287
acc. to DIN 46228, Part 4/09.90; gray



Item no.: 216-288

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-288
acc. to DIN 46228, Part 4/09.90; yellow

Downloads

Documentation

Bid Text

| | | | |
|-------------------------------------|--------------|---------------|----------|
| 787-783/000-040 GAEB X81 - Datei | Aug 23, 2019 | xml 6.0 kB | Download |
|-------------------------------------|--------------|---------------|----------|

| | | | |
|--------------------------------------|--------------|-----------------|----------|
| 787-783/000-040 GAEB docx - Datei | Aug 23, 2019 | docx 22.5 kB | Download |
|--------------------------------------|--------------|-----------------|----------|

Additional Information

| | | | |
|--|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 265.8 kB | Download |
|--|---------|-----------------|----------|

Handling Instructions

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.