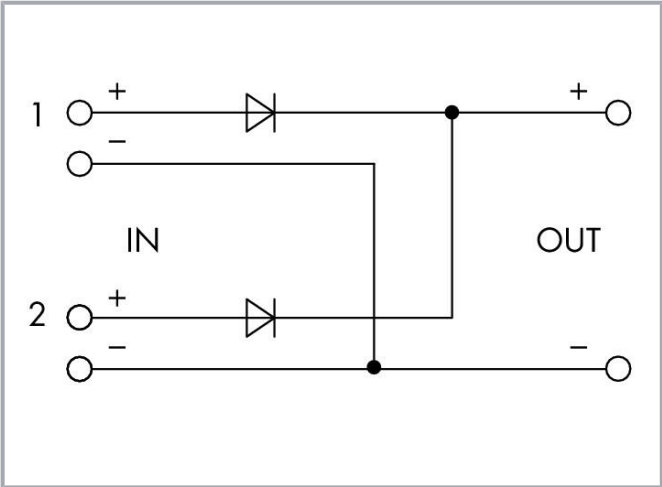
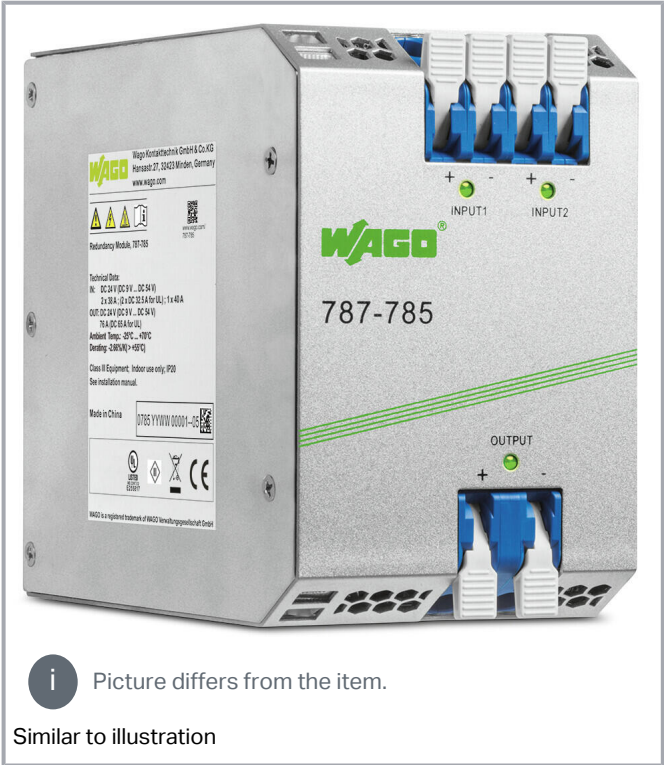


Data sheet | Item number: 787-785/000-040
Redundancy Module; 2 x 9 ... 54 VDC input voltage; 2 x 40 A input current; 9–54 VDC output voltage; 76 A output current



www.wago.com/787-785/000-040



Item description

Features:

- Redundancy module with two inputs decouples 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

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

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Nominal mains frequency range	0 Hz
Input current I_i	≤ 40 A (per path); ≤ 76 A (in total)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V
Output voltage range	DC 9 ... 54 V (U_e – voltage drop)
Voltage drop	≤ 500 mV (Input/output)
Nominal output current $I_{o\text{ nom}}$	40 A (redundancy operation); 65 A (Parallel operation [UL]); 76 A (Parallel operation)
Nominal output power	1824 W

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_i	≤ 38 W (nominal load)
Efficiency (typ.)	97 %

Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Pollution degree	2
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
-------------------	--------------

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



Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2716 Series
Solid conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches

Physical data

Width	83 mm / 3.268 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	153 mm / 6.024 inches

Mechanical Data

Mounting type	DIN-35 rail
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Material data

Weight	960 g
--------	-------

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	95% (no condensation permissible)
Derating	-2.66 %/K (55 °C < T _u ≤ 70 °C)
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

ETIM 8.0	EC002540
ETIM 7.0	EC002540
Recupel Type	

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PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143889704
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

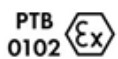
General approvals

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

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	ATEX DEKRA EXAM GmbH	EN 60079-0	BVS 17 ATEX E 010 X (II 3 G Ex ec IIC T4 Gc)
	CCC CNEX	CNCA-C23-01	2020312303000474 (Ex ec IIC T4 Gc)

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IEC 60079-0

IECEX_BVS_17.
0003X_Issue_02 (Ex
ec IIC T4 Gc)



UKEX
WAGO GmbH

EN 60079-0

WAGO22UKEX006X

Downloads

Documentation

Bid Text

787-785/000-040	2019 Aug 23	xml	Download
X81 - Datei		6.3 kB	

787-785/000-040	2019 Aug 23	docx	Download
docx - Datei		22.7 kB	

Instruction Leaflet

CCC Ex (Additional information)	V 1.1.0	pdf	Download
787-783*, 787-785*	2023 Aug 2	137.9 kB	

Diode Redundancy Module	V 1.2.0	pdf	Download
DC 24 V, 40 A	2021 Sep 29	3.9 MB	

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 Aug 18	2.2 MB	

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-785/000-040	URL	Download
Redundancy Module; 2 x 9 ... 54 VDC input voltage; 2 x 40 A input current; 9–54 VDC output voltage; 76 A output current		

Installation Notes

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