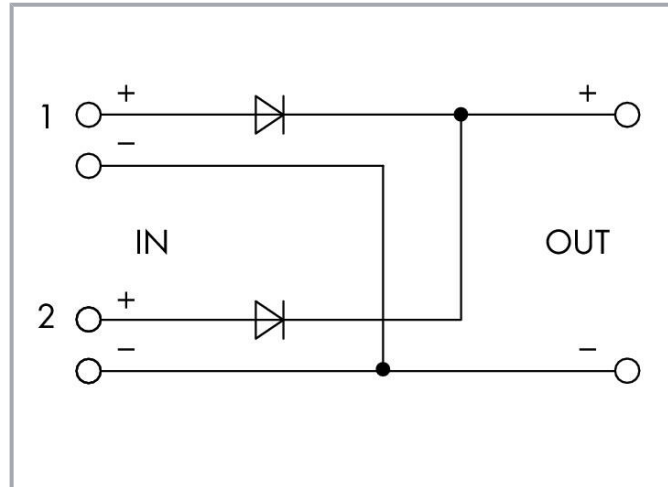


Data sheet | Item number: 787-783/000-040

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



Item description

Features:

- Redundancy module with two inputs decouples two power supplies.
- For redundant and fail-safe power supply

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

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- 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	$\leq 12.5 \text{ A}$ (per path); $\leq 25 \text{ A}$ (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	$\leq 0.8 \text{ V}$ (Input/output)
Nominal output current $I_{o \text{ nom}}$	12.5 A (redundancy operation); 25 A (Parallel operation)
Nominal output power	600 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 ($U_i > 7.5 \text{ VDC}$) 1 x Green LED ($U_o > 7.5 \text{ VDC}$)

Efficiency/power losses

Power loss P_i	$\leq 19 \text{ W}$ (nominal load)
Efficiency (typ.)	96 %

Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Pollution degree	2
Overvoltage protection; secondary	No

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



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 mm² / 20 ... 10 AWG
Fine-stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Strip length	11 ... 12 mm / 0.43 ... 0.47 inches

Physical data

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

Mechanical Data

Mounting type	DIN-35 rail
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Material data

Weight	470 g
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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
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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
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143889605
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates

General approvals

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

Declarations of conformity and manufacturer's declarations

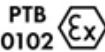
Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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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)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	EAC RU C-DE.AM02. B.00132/19 (2Ex e IIC T4 Gc X)
	IECEx DEKRA EXAM GmbH	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

787-783/000-040 docx - Datei	2019 Aug 23	docx 22.5 kB	Download
787-783/000-040 X81 - Datei	2019 Aug 23	xml 6.0 kB	Download

Instruction Leaflet

CCC Ex (Additional information) 787-783*, 787-785*	V 1.1.0 2023 Aug 2	pdf 137.9 kB	Download
Diode Redundancy Module DC 24 V, 12,5 A	V 1.2.0 2021 Sep 29	pdf 3.9 MB	Download

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



Additional Information

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

CAD/CAE-Data

CAD data

2D/3D Models 787-783/000-040	URL	Download
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Asset Administration Shell

Asset Administration Shell 787-783/000-040	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-783/000-040	URL	Download
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		

Installation Notes

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