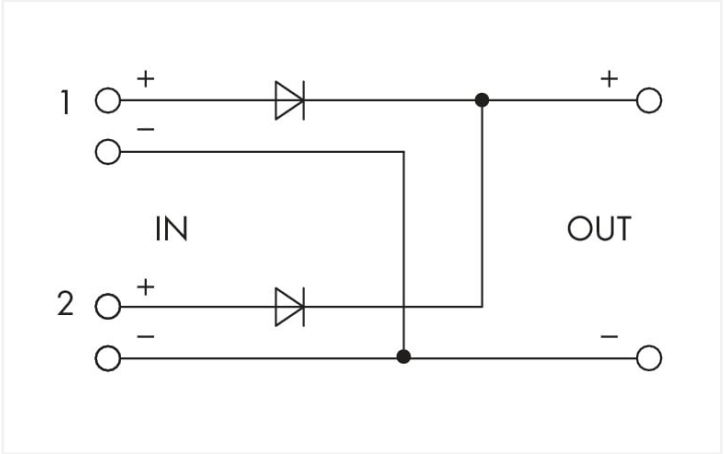




Similar to illustration



- 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

Technical data

Input		Output	
Nominal input voltage $U_{i\text{ nom}}$	2 x DC 24 V	Nominal output voltage $U_{o\text{ nom}}$	DC 24 V
Input voltage range	2 x DC 9 ... 54 V	Output voltage range	DC 9 ... 54 V (U_e – voltage drop)
Nominal mains frequency range	0 Hz	Voltage drop	$\leq 0.8\text{ V}$ (Input/output)
Input current I_i	$\leq 12.5\text{ A}$ (per path); $\leq 25\text{ A}$ (in total)	Nominal output current $I_{o\text{ nom}}$	12.5 A (redundancy operation); 25 A (Parallel operation)
		Nominal output power	600 W
		Output power (max.)	$\leq 1350\text{ W}$

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

Isolation voltage (connectors – housing)	DC 0.5 kV
Protection class	III
Protection type	IP20; per EN 60529
Resistance to reverse feed	$\leq \text{DC } 60\text{ V}$
Pollution degree	2
Overvoltage protection; secondary	No
Short-circuit-protected	No
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	No
MTBF	$> 10\text{ million h}$ (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

Material data	
Fire load	0 MJ
Weight	470 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
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		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E255817
UL Underwriters Laboratories Inc.	ANSI/ISA 12.12.01	E484199
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

		
Approval	Standard	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 Zertifizierungs- stelle	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_Is- sue_02 (Ex ec IIC T4 Gc)
UKEx WAGO GmbH	EN 60079-0	WAGO22UKEX006X

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-783/000-040	

Documentation

Bid Text				Instruction Leaflet			
787-783/000-040	23.08.2019	xml 5.86 KB		CCC Ex (Additional in- formation)	V 1.1.0 02.08.2023	pdf 134.67 KB	
787-783/000-040	23.08.2019	docx 21.97 KB		Diode Redundancy Mo- dule	V 1.2.0 29.09.2021	pdf 3799.12 KB	



CAD/CAE-Data

CAD data

2D/3D Models
787-783/000-040

