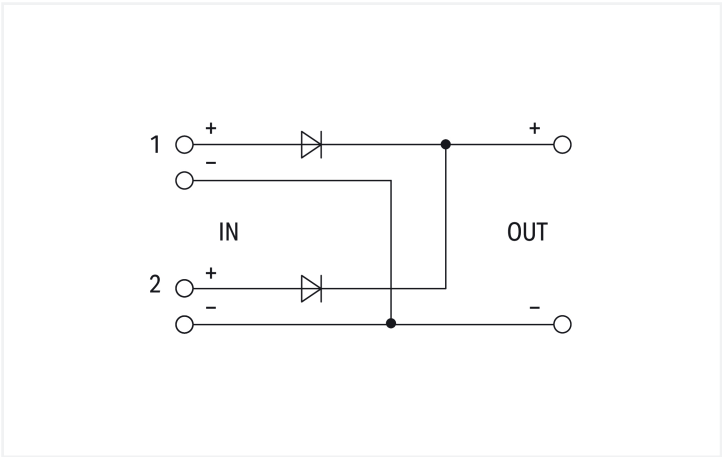




Similar to illustration

- 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 $U_{i\,nom}$	2 x 24 VDC	Nominal output voltage $U_{o\,nom}$	24 VDC
Input voltage range	2 x 9 ... 54 VDC	Output voltage range	9 ... 54 VDC (U_e – voltage drop)
Nominal mains frequency range	0 Hz	Voltage drop	≤ 0.8 V (Input/output)
Input current I_i	≤ 12.5 A (per path); ≤ 25 A (in total)	Nominal output current $I_{o\,nom}$	12.5 A (redundancy operation); 25 A (Parallel operation)
		Nominal output power	600 W
		Output power (max.)	≤ 1350 W
Signaling and communication		Efficiency/power losses	
Signaling	1 x IN1 LED (green) 1 x IN2 LED (green) 1 x LED OUT (green)	Power loss P_l	≤ 19 W (nominal load)
Operation status indicator	2 x green LED ($U_{re} > 7.5$ VDC) 1 x Green LED ($U_o > 7.5$ VDC)	Efficiency (typ.)	96 %



Safety and protection	
Isolation voltage (connectors – housing)	0.5 kVDC
Protection class	III
Protection type	IP20; Per EN 60529
Resistance to reverse feed	≤ 60 VDC
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 1	
Connection type	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 IECEX ANSI/ISA 12.12.01 (Class I Div. 2)

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143889605
Customs tariff number	85044083900

Product Classification	
UNSPSC	39121004
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

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.	-	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)
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 information)	V 1.1.0 02.08.2023	pdf	134.67 KB
			↓				↓
787-783/000-040	23.08.2019	docx	21.97 KB	Diode Redundancy Module	V 1.2.0 29.09.2021	pdf	3799.12 KB
			↓				↓

CAD/CAE-Data			
CAD data			
2D/3D Models 787-783/000-040			↓