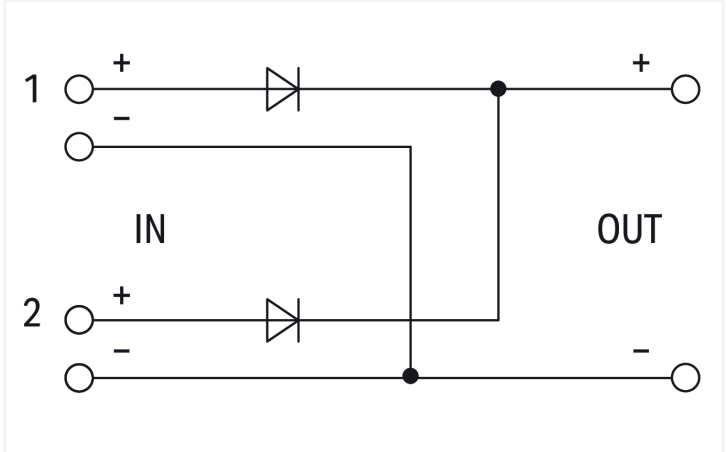




Similar to illustration



- 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	≤ 500 mV (Input/output)
Input current I_i	≤ 40 A (per path); ≤ 76 A (in total)	Nominal output current $I_{o\,nom}$	40 A (redundancy operation); 76 A (Parallel operation); 65 A (Parallel operation [UL])
		Nominal output power	1824 W
		Output power (max.)	≤ 4104 W
Signaling and communication		Efficiency/power losses	
Signaling	1 x IN1 LED (green) 1 x IN2 LED (green) 1 x OUT LED (green)	Power loss P_i	≤ 38 W (nominal load)
Operation status indicator	2 x Green LED ($U_i > 7.5$ VDC) 1 x Green LED ($U_o > 7.5$ VDC)	Efficiency (typ.)	97 %
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 1	Input/output	
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	
Material data		
Fire load	0 MJ	
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 IECEX ANSI/ISA 12.12.01 (Class I Div. 2)	
Commercial data		
ETIM 9.0	EC002540	
ETIM 8.0	EC002540	
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
SCIP notification number (Austria)	fe1eaea2-99d2-4251-ab45-d53886f9043f
SCIP notification number (Belgium)	19e1e81c-3323-4a8b-9859-92c7505e8d45
SCIP notification number (Bulgaria)	88981860-454c-4588-99a1-53c602d5ef1d
SCIP notification number (Czech Republic)	9a496231-e5de-4f0a-ba43-bfcaded5776a
SCIP notification number (Denmark)	889f22ec-3099-44ad-b96e-f719717117c2
SCIP notification number (Finland)	9dde97d0-c2d4-4949-8ba7-440b76b80e46
SCIP notification number (France)	ee866bac-6883-4f86-a154-d988a6c86640
SCIP notification number (Germany)	b3acf0ec-ccc9-41dc-a090-ea4c2e057e5a
SCIP notification number (Hungary)	08a502e7-c29a-4e79-af58-68f095445fe0
SCIP notification number (Italy)	82f0edc0-2409-42f3-bb30-45b937a48774
SCIP notification number (Netherlands)	15927803-32c5-4660-9a40-827b0ceb1bc3
SCIP notification number (Poland)	c2afc011-25b6-45ef-ac81-4ffcf05bf047
SCIP notification number (Romania)	d0806f67-dcf4-4c44-9884-915add268695
SCIP notification number (Sweden)	e4df01b9-cb54-401d-b813-b0f3473e3076

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)
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	787-785/000-040		↓

Documentation							
Bid Text				Instruction Leaflet			
787-785/000-040	23.08.2019	xml	6.16 KB	CCC Ex (Additional information)	V 1.1.0 02.08.2023	pdf	134.67 KB
			↓				↓
787-785/000-040	23.08.2019	docx	22.20 KB	Diode Redundancy Module	V 1.2.0 29.09.2021	pdf	283.98 KB
			↓				↓

CAD/CAE-Data			
CAD data			
2D/3D Models	787-785/000-040		↓