

**PRO DC BUFFER 24V 20A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The Weidmüller DC buffer module is a supplementary system component for 24 V DC power system which can be used for various purposes. It delivers DC-power to bridge mains failures of the DC voltage system and can extend the hold-up time after loss of the mains power. The service-free electrolytic capacitors allow the continuous operation at ambient temperatures up to +70°C. It can also be operated in parallel to increase a longer bridging time or the output power.

**General ordering data**

Version	Buffer module, 24 V
Order No.	<a href="#">2786240000</a>
Type	PRO DC BUFFER 24V 20A
GTIN (EAN)	4064675063469
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Depth	130 mm	Depth (inches)	5.118 inch
Height	125 mm	Height (inches)	4.921 inch
Width	55 mm	Width (inches)	2.165 inch
Weight	1,043 g	Net weight	1,043 g

### Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °C...70 °C
Humidity	5...95 %, no condensation		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Input

Connection system	Screw connection	DC current consumption	<0.2 A @ no load, <1 A @ charging process for typ. 10s
DC input voltage range	22.5 - 30 V DC	Input current	0...21 A
Input fuse (internal)	Yes	Rated input voltage	24 V DC

### Output

Connection system	Screw connection		
Mains failure bridge-over time	Mains failure bridge-over time, min.	200 mS	
	Input voltage type	DC	
	Input voltage	24 V	
	Output current	20 A	
	Output voltage	22.2 V	
Output current at 40 °C	25 A		
Output voltage, note	Corresponds to the input voltage		
Overload and short circuit protection	Yes		
Overload protection	Yes		
Parallel connection option	Yes		
Protection against inverse voltage	Yes		
Rated current	20 A		
Surge protection	33 V...35 V		

### General data

Degree of efficiency	≥ 98% buffer mode	Housing version	Metal, corrosion resistant
Humidity	5...95 %, no condensation	Mounting position, installation notice	Horizontal on DIN rail TS 35, top and bottom 50 mm clearance for free air flow, 10 mm clearance to neighbouring subassemblies.
Operating temperature	-25 °C...70 °C	Short-circuit protection	Yes, internal
Weight	1,043 g		

### EMC / shock / vibration

Interference immunity test acc. to	EN 61000-4-2, -3, -4, -5, -6	Noise emission in accordance with	EN55032
Shock resistance IEC 60068-2-27	30 g in all directions	Vibration resistance IEC 60068-2-6	Class B 2.3 g (on DIN rail)

Creation date December 15, 2021 9:38:29 AM CET

Catalogue status 30.11.2021 / We reserve the right to make technical changes.

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### Insulation coordination

Pollution severity	2	Protection class	III, with no ground connection, for SELV
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### Electrical safety (applied standards)

Electrical machine equipment	Acc. to EN60204	Safety extra-low voltage	SELV acc. to IEC 60950-1, PELV according to EN 60204-1
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### Connection data (input)

Conductor cross-section, AWG/kcmil , max.	10	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , min.	0.22 mm <sup>2</sup>	Conductor cross-section, rigid , max.	6 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.18 mm <sup>2</sup>	Connection system	Screw connection
Reverse polarity protection	Yes, ≤31 V DC	Wire connection cross section, flexible (input), max.	4 mm <sup>2</sup>

### Connection data (output)

Conductor cross-section, AWG/kcmil , max.	10	Conductor cross-section, AWG/kcmil , min.	26
Conductor cross-section, flexible , max.	4 mm <sup>2</sup>	Conductor cross-section, flexible , min.	0.22 mm <sup>2</sup>
Conductor cross-section, rigid , max.	6 mm <sup>2</sup>	Conductor cross-section, rigid , min.	0.18 mm <sup>2</sup>
Connection system	Screw connection	Reverse polarity protection	Yes, ≤31 V DC

### Connection data (signal)

Number of terminals	4 (Uin OK, Ready, Active, Sgnd)	Wire connection method	PUSH IN
Wire cross-section, AWG/kcmil , max.	14	Wire cross-section, AWG/kcmil , min.	28
Wire cross-section, solid , max.	1.5 mm <sup>2</sup>	Wire cross-section, solid , min.	0.2 mm <sup>2</sup>

### Signalling

Status indicator	Green LED
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### Approvals

Certificate no. (cULus)	E258476	Institute (cULus)	CULUS
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### Classifications

ETIM 6.0	EC002850	ETIM 7.0	EC002850
ETIM 8.0	EC002850	ECLASS 9.0	27-04-06-92
ECLASS 9.1	27-04-92-01	ECLASS 10.0	27-04-06-92
ECLASS 11.0	27-04-06-92		

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**Technical data****Approvals**

Approvals



ROHS	Conform
UL File Number Search	E258476

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
User Documentation	<a href="#">Instruction sheet</a>