

## Buffer module - QUINT4-BUFFER/24DC/20 - 2907913

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QUINT buffer module with maintenance-free capacitor-based energy storage for DIN rail mounting, input: 24 V DC, output: 24 V DC/20 A, including mounted UTA 107 universal DIN rail adapter.

#### **Product Description**

Bridge failures lasting several seconds with the buffer modules from the QUINT range for DIN rails. The QUINT BUFFER combines an electronic switch-over unit and maintenance-free, capacitor-based energy storage in the same housing.

#### Why buy this product

- Maintenance-free due to electrolytic capacitors



#### **Key Commercial Data**

Packing unit	1 STK
GTIN	4 055626 309040
GTIN	4055626309040
Weight per Piece (excluding packing)	997.000 g
Custom tariff number	85044030
Country of origin	China
Note	Made to Order (non-returnable)

#### Technical data

#### **Dimensions**

Width	56 mm
Height	130 mm
Depth	125 mm

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C 70 °C (> 40 °C Derating: 1 %/K / > 60 °C Derating: 2.5 %/K)



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#### Ambient conditions

Ambient temperature (start-up type tested)	-40 °C
Ambient temperature (storage/transport)	-40 °C 70 °C
Max. permissible relative humidity (operation)	≤ 95 %
Climatic class	3K3 (in acc. with EN 60721)
Degree of pollution	2
Installation height	≤ 4000 m

#### Input data

Input voltage	24 V DC (SELV)
Input voltage range	22.5 V DC 30 V DC
Current consumption (maximum)	26 A
Current consumption (idle)	0.2 A
Current consumption (charging process)	0.6 A
Fixed connect threshold	< 22 V DC

## Output data

Nominal output voltage	24 V DC
Nominal output current (I <sub>N</sub> )	20 A
Static Boost (I <sub>Stat.Boost</sub> )	25 A
Connection in parallel	no
Connection in series	No

#### General

IQ technology	no
Net weight	1 kg
Memory medium	Electrolytic capacitor
Efficiency	> 98 % (with charged energy storage device)
Protection class	Special application (SELV input voltage, hazardous voltages are generated in the device).
Degree of protection	IP20
MTBF (IEC 61709, SN 29500)	2497464 h (40 °C)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: Horizontally 0 mm, vertically 50 mm

## Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm



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## Connection data, output

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Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	4 mm²
Conductor cross section AWG min.	30
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Stripping length	8 mm

#### Signaling

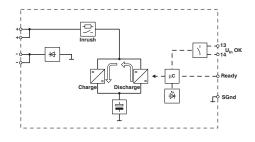
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	1.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16

#### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Standard - Electrical safety	IEC 60950-1/VDE 0805 (SELV)
UL approvals	UL Listed UL 508
	UL/C-UL Recognized UL 60950-1

## Drawings

#### Block diagram



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