

Buffer module - QUINT4-CAP/24DC/10/8KJ - 2320571

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QUINT buffer module with maintenance-free double-layer capacitor-based energy storage for DIN rail mounting, input: 24 V DC, output: 24 V DC/10 A/8 KJ, including mounted UTA 107 universal DIN rail adapter. U_{in}OK preset to battery operation.

Product Description

The maintenance-free QUINT CAP buffer module is ideal for cyclical failures lasting up to 30 seconds. It combines an electronic switch-over unit and maintenance-free, capacitor-based energy storage in the same housing. The USB interface makes it convenient to shut down your PC.

Why buy this product

- Convenient shutdown of PCs
- Maintenance-free with a long service life
- Space savings, thanks to the compact design
- Long buffer time, thanks to high memory capacity
- Lockable USB interface for connecting to industrial PCs, for example



Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 246901
GTIN	4055626246901
Weight per Piece (excluding packing)	1,816.000 g
Custom tariff number	85044030
Country of origin	China
Note	Made to Order (non-returnable)

Technical data

Dimensions

Width	118 mm
Height	130 mm
Depth	125 mm

Ambient conditions

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Technical data

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C (> 40 °C Derating: 1 %/K)
Ambient temperature (start-up type tested)	-40 °C
Ambient temperature (storage/transport)	-40 °C ... 60 °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)	13.5 A
Current consumption (idle)	0.1 A
Current consumption (charging process)	1 A
Fixed connect threshold	< 22 V DC

Output data

Nominal output voltage	24 V DC
Nominal output current (I _N)	10 A
Static Boost (I _{Stat.Boost})	12.5 A
Connection in parallel	no
Connection in series	No

General

IQ technology	no
Net weight	1.6 kg
Memory medium	Dual layer capacitor
Efficiency	> 97 % (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)	1387186 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 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	30

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Technical data

Connection data, input

Conductor cross section AWG max.	12
Stripping length	6.5 mm

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	12
Stripping length	6.5 mm

Signaling

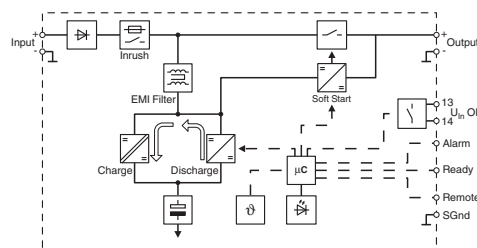
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16

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



Classifications

eCl@ss

eCl@ss 5.1	27242213
eCl@ss 8.0	27040603

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Classifications

eCl@ss

eCl@ss 9.0	27040705
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ETIM

ETIM 5.0	EC000382
ETIM 6.0	EC000382

UNSPSC

UNSPSC 13.2	39121004
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Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
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UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
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EAC		RU C- DE.A*30.B.01082
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Approvals

cULus Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>