

DK-SERIES
DKU DK5 24VDC 100MA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Slimline overvoltage protection terminal with screw connection

General ordering data

Type	DKU DK5 24VDC 100MA
Order No.	8437770000
Version	Surge protection for instrumentation and control, Rated voltage: 24 V
GTIN (EAN)	4032248556090
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Length	76.8 mm	Width	6 mm
Height	72 mm	Net weight	24.2 g

Temperatures

Operating temperature	-25 °C...+60 °C	Storage temperature	-25 °C...+85 °C
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General data

Design	Terminal	Height with TS 32	72 mm
Height with TS 35	68 mm	Protection degree	IP 20
Segment	Instrumentation and Control		

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
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Interference voltage

Protection level on output side Wire-wire 1 kV/μs, typically	30 V	Protection level on output side Wire-wire 8/20 μs, typically	45 V
Protection level on output side Wire-PE 1 kV/μs, typically	35 V	Protection level on output side Wire-PE 8/20 μs, typically	45 V

Protective elements

Gas discharge tube	Yes
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technical data

Rated voltage (DC)	24 V	Rated current	0.3 A
Rated voltage	24 V	Rated voltage (DC), max.	28 V
Max. continuous voltage, U _c (AC)	28 V	Operating current, I _{max}	0.3 A
Fuse, max.	0.5 A	Discharge current, max. (8/20 μs)	5 kA
Protection level on output side Wire-wire 8/20 μs, typically	45 V	Protection level on output side Wire-PE 8/20 μs, typically	45 V
AC/DC/UC	DC	Response time	≤ 100 ps
Operating voltage	28 V	Volume resistance	3.00 Ω
Cross-section	2.5 mm ²	Limiting frequency (-3 dB) at load resistance	400 kHz 240 Ω

Connection data

Clamping range, rated connection	4 mm ²	Clamping range, rated connection, max.	4 mm ²
Wire connection cross section, stranded, rated connection, min.	0.5 mm ²	Wire connection cross section, stranded, rated connection, max.	4 mm ²
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.6 Nm
Wire connection cross section, finely stranded, max.	4 mm ²		

EX protection data

Certificate No. (ATEX)

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Technical data**Ratings IECEx/ATEX**

Certificate No. (ATEX)

Classifications

ETIM 3.0	EC000943	UNSPSC	30-21-18-11
eClass 5.1	27-14-11-27	eClass 6.2	27-13-08-02
eClass 7.1	27-14-11-27		

Product information

Descriptive text ordering data	DKU DK5 TS35, height 68 mm
Descriptive text accessories	End plate AP DK5 PA BE: 4036780000

Approvals

Approvals



ROHS

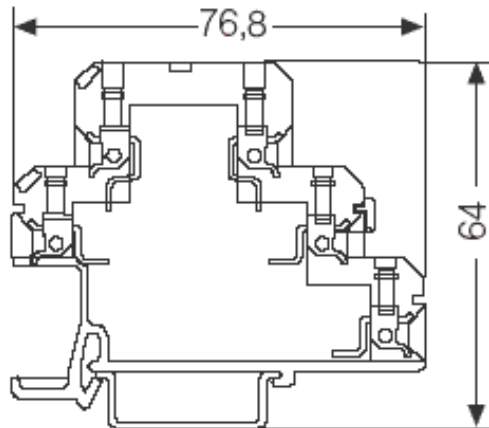
Conform

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Drawings

Dimensioned drawing



Circuit diagram