

UM-2KS50/DO8-48V/RS/KDS3/SO227 - Output module



2900869

<https://www.phoenixcontact.com/us/products/2900869>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



8-channel digital output module with screw connection and integrated knife disconnect function. The power supply unit and the 50-pos. strip are designed redundantly. Suitable for Yokogawa card SDV 531.

Commercial data

Item number	2900869
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK2A8N
GTIN	4046356546362
Weight per piece (including packing)	609 g
Weight per piece (excluding packing)	600 g
Country of origin	DE

UM-2KS50/DO8-48V/RS/KDS3/SO227 - Output module



2900869

<https://www.phoenixcontact.com/us/products/2900869>

Technical data

Product properties

Product type	Interface module
--------------	------------------

Insulation characteristics: Air clearances and creepage distances

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal voltage U_N	48 V DC
Max. current carrying capacity per branch	630 mA (Plug-in fuse (127-2, TR5, 630 mA))
Max. total current of voltage supply	6.3 A (Plug-in fuse (IEC 127-2, TR5, 6.3 A))

Air clearances and creepage distances

Rated surge voltage	Basic insulation
---------------------	------------------

Connection data

Field level

Connection method	Screw connection with disconnect knife
Number of positions	16
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 14

Controller level

Connection method	Yokogawa, KS compatible
Number of connections	2
Number of positions	50
Tightening torque	0.5 Nm

Supply

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Signaling

Status display	LED (green)
----------------	-------------

Dimensions

Item dimensions

Width	146 mm
Height	126 mm
Depth	80 mm

UM-2KS50/DO8-48V/RS/KDS3/SO227 - Output module



2900869

<https://www.phoenixcontact.com/us/products/2900869>

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
---------------------------------	------------------

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178
-----------------------	--------------

Mounting

Mounting type	DIN rail mounting
Mounting position	any

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
--------------------	--

UM-2KS50/DO8-48V/RS/KDS3/SO227 - Output module



2900869

<https://www.phoenixcontact.com/us/products/2900869>

Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
--	--

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com