

## Product data sheet

Item No. R1.188.0480.0

### Device for monitoring of safety-related circuits SNE4004KV-A 2S DC 24V (A)

output expansion unit, 4 enabling current paths, 3 signalling outputs, off-delay buffered 1s, DC 24 V, screw-terminals pluggable



Item No.	R1.188.0480.0
EAN	4015573808300
Order Unit	1 Piece(s)

### Certificates / Approvals



### Technical data

#### General

Function display	2 LED, green
Creepage distances and clearances between the circuits	EN 60664-1
Protection degree according to DIN EN 60529 (housing)	IP40
Protection degree according to DIN EN 60529 (terminals)	IP20
Ambient temperature min.	-25 °C
Ambient temperature max.	55 °C
Wire ranges screw terminals, fine-stranded / solid	1 x 0,2 mm <sup>2</sup> - 2,5 mm <sup>2</sup> / 2 x 0,2 mm <sup>2</sup> - 1,0 mm <sup>2</sup>
Wire ranges screw terminals, fine-stranded with ferrules	1 x 0,25 mm <sup>2</sup> - 2,5 mm <sup>2</sup> / 2 x 0,25 mm <sup>2</sup> - 1,0 mm <sup>2</sup>
Permissible torque min.	0.5 Nm
Permissible torque max.	0.6 Nm
Tightening moment	0.6 Nm
Weight	0.2 kg
Standards	EN ISO 13849-1EN 62061
Suited for safety functions	Yes
With muting function	No
Feedback circuit	Yes

Start contact	No
Stop category acc. to IEC 60204	1
Rail mounting possible	Yes

**Connection Data**

Detachable clamps	Yes
Type of electric connection	Screw connection

**Application**

Model	Expansion device
Suitable for monitoring of magnetic switches	No
Suitable for monitoring of emergency-stop circuits	No
Suitable for monitoring of optoelectronic protection equipment	No
Suitable for monitoring of position switches	No
Suitable for monitoring of tactile sensors	No

**Output circuit**

Enabling paths, time delayed	Normally open contact, off delay
Contact material	Ag-alloy, gold-plated
Rated switching voltage, enabling paths AC	230 V
Rated switching voltage, enabling paths DC	24 V
Rated switching voltage, signaling paths AC	230 V
Rated switching voltage, signaling paths DC	24 V
Max. thermal current I	6 A
Max. thermal current I	2 A
Max. total current I <sup>2</sup> of all current path	40 A <sup>2</sup>
Application category AC-15 (NO)	Ue 230V, Ie 5A
Application category DC-13 (NO)	Ue 24V, Ie 5A
Short-circuit protection (NO), max. fuse insert	6 A class gG fuse, fuse integral < 100 A <sup>2</sup> s
Mechanical life	10 <sup>7</sup> switching cycles
Outputs, signalling function, undelayed, with contact	0
Outputs, signalling function, delayed, with contact	3
Outputs, safe, undelayed, with contact	0
Outputs, safe, delayed, with contact	4

**Control circuit**

Response time tA1	100 ms
Response time tA2	100 ms
Recovery time tW	> 40 ms
Release time tR	leer 2 s
max. resistivity, per channel	# (5 + (1,176 x UB / UN - 1) x 100) #


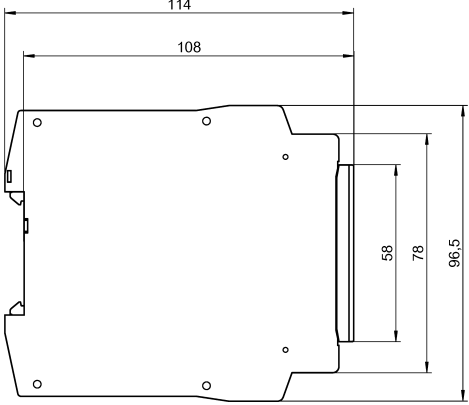

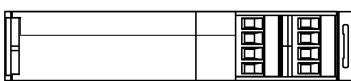
**Supply circuit**

Nominal voltage U	DC 24 V
Rated consumption DC	1.6 W
Operating voltage min.	20.4 V
Operating voltage max.	26.4 V
Electrical isolation supply circuit - control circuit	No
Max. rated AC voltage for controls, 50 Hz	26.4 V
Min. rated DC voltage for controls	20.4 V
Max. rated DC voltage for controls	26.4 V
Min. rated control supply voltage at DC	20.4 V

**Dimensions**

Depth	114 mm
Width	22.5 mm
Height	96.5 mm

**Technical drawing**

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<p>www.wieland www.wieland-electric.com</p>		<p>Type Benennung/ Title Maßbildzeichnung/Dimension drawing Standardgehäuse u. deckel, Baubreite 22,5mm, Schrauben/Merkmale stockbar standard housing and cover, overall with 22.5mm plug-in pcb terminal</p>																																																																				

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