

SP-DIO – Standard I/O-Modul

Description

The SP-DIO84 module expands the safety control system **samos**[®] PRO COMPACT with standard in- and outputs. Using these modules non-safety-related automation tasks can be realized efficient and cost-optimized.

Applications

- Machine building
- Firing systems
- Elevator systems

Features

- 4 standard inputs
- 4 standard outputs
- 4 configurable standard in-/outputs



Device overview | Order numbers

Type	Nominal voltage	Terminal	Order number	Std. Pack
SP-DIO84-K-A	24 V DC	Screw terminal, pluggable	R1.190.1050.0	1
SP-DIO84-K-C	24 V DC	Push-in terminal, pluggable	R1.190.1060.0	1

Technical data

Function display	13 LED, green/red
Supply circuit	
Operating voltage range U_B	16.8 V DC to 30 V DC
Rated power	0.5 W
Electrical isolation supply circuit - control circuit	No
Standard input circuits I_n, IY_n	
Quantity / type	4 (8) / digital
Input voltage range	15 V DC to 30 V DC
Nominal current	3 mA
Standard output circuits Q_n, IY_n	
Quantity / type	4 (8) / digital
Output voltage	24 V DC
Output current I_n per output	0.5 A
Short-circuit protective device	Yes
General data	
Protection class as per DIN EN 60529 (housing/terminals)	IP40 / IP20
Air and creepage distances	EN 60664-1
Ambient temperature / storage temperature	-25°C – +65°C / -40°C – +70°C
Standards	EN 60204, EN 50156-1, EN 81-1
Approvals	cULus





wieland

Headquarters:
Wieland Electric GmbH
Brennerstraße 10 – 14
96052 Bamberg, Germany

Phone +49 951 9324-0
Fax +49 951 9324-198
info@wieland-electric.com
www.wieland-electric.de

Industrial technology

Solutions for the control cabinet

- DIN rail terminal blocks
 - Screw, tension spring or push-in connection technology
 - Wire cross sections up to 300 mm²
 - Numerous special functions
 - Software solutions interfacing to CAE systems
- Safety
 - Safe signal acquisition
 - Safety switching devices
 - Modular safety modules
 - Compact safety controllers
 - Application consulting and training
- Network engineering and fieldbus systems
 - Remote maintenance via VPN industrial router and VPN service portal
 - Industrial Ethernet switches
 - PLC and I/O systems, standard and increased environmental conditions
- Interface
 - Power supply units
 - Overvoltage protection
 - Coupling relays, semiconductor switches
 - Timer relays, measuring and monitoring relays
 - Analog coupling and converter modules
 - Passive interfaces

Solutions for field applications

- Decentralized installation and automation technology
 - Electrical installation for wind tower
 - Fieldbus interfaces and motor starters
- Connectors for industrial applications
 - Rectangular and round connectors
 - Aluminum or plastic housings
 - Degree of protection up to IP69K
 - Current-carrying capacity up to 100A
 - Connectors for hazardous areas
 - Modular, application-specific technology

PC board terminals and connectors

- Screw or spring clamp connection technology
- Spacings: 3.5mm to 10.16mm
- Reflow or wave soldering process

Building and installation technology

- Building installation systems
 - Main power supply connectors IP20/ IP65 ... IP69K
 - Bus connectors
 - Low-voltage connectors
 - Power distribution system with flat cables
 - Distribution systems
 - Room automation with KNX, EnOcean, SMI and DALI
 - DIN rail terminal blocks for electrical installations
 - Overvoltage protection

Our subsidiaries



USA
Wieland Electric Inc.
North American Headquarters
2889 Brighton Road
Oakville, Ontario L6H 6C9
Phone +1 905 8298414
Fax +1 905 829 413
www.wielandinc.com



CANADA
Wieland Electric Inc.
North American Headquarters
2889 Brighton Road
Oakville, Ontario L6H 6C9
Phone +1 905 8298414
Fax +1 905 829 413
www.wieland-electric.ca



GREAT BRITAIN
Wieland Electric Ltd.
Riverside Business Center,
Walnut Tree Close
GB Guildford/Surrey GU1 4UG
Phone +44 1483 531213
Fax +44 1483 505029
sales.uk@wieland-electric.com
www.wieland-electric.co.uk



FRANCE
Wieland Electric S.A.R.L.
Le Cérame, Hall 6
47, avenue des Genottes
CS 48313,
95803 Cergy-Pontoise Cedex
Phone +33 1 30320707
Fax +33 1 30320717
info.france@wieland-electric.com
www.wieland-electric.fr



SPAIN
Wieland Electric S.L.
C/ Maria Auxiliadora 2, bajos
E-08017 Barcelona
Phone +34 93 2523820
Fax +34 93 2523825
ventas@wieland-electric.com
www.wieland-electric.es



ITALY
Wieland Electric S.r.l.
Via Edison, 209
I-20019 Settimo Milanese
Phone +39 02 48 916357
Fax +39 02 48 920685
info.italy@wieland-electric.com
www.wieland-electric.it



BELGIUM + GD LUXEMBOURG
ATEM-Wieland Electric NV
Bedrijvenpark De Veert 4
B-2830 Willebroek
Phone +32 3 8661800
Fax +32 3 8661828
info.belgium@wieland-electric.com
www.wieland-electric.be



DENMARK
Wieland Electric A/S
Vallørækken 26
DK-4600 Køge
Phone +45 70 266635
Fax +45 70 266637
sales.denmark@wieland-electric.com
www.wieland-electric.dk



SWITZERLAND
Wieland Electric AG
Harzachstrasse 2b
CH-8404 Winterthur
Phone +41 52 2352100
Fax +41 52 2352119
info.swiss@wieland-electric.com
www.wieland-electric.ch



POLAND
Wieland Electric Sp. z o.o.
Św. Antoniego 8
62-080 Swadzim
Phone +48 61 2225400
Fax +48 61 8407166
office@wieland-electric.pl
www.wieland-electric.pl



CHINA
Wieland Electric Trading
Unit 2703 International Soho City
889 Renmin Road,
Huang Pu District
PRC-Shanghai 200010
Phone +86 21 63555833
Fax +86 21 63550090
info-shanghai@wieland-electric.com
www.wieland-electric.cn



JAPAN
Wieland Electric Co, Ltd.
Nisso No. 16 Bldg. 7F
3-8-8 Shin-Yokohama,
Kohoku-ku
Yokohama 222-0033
Phone +81 45 473 5085
Fax +81 45 470 5408
info-japan@wieland-electric.com



GERMANY
Headquarters
Wieland Electric GmbH
Brennerstraße 10 – 14
96052 Bamberg, Germany
Phone +49 951 9324-0
Fax +49 951 9324-198
info@wieland-electric.com
www.wieland-electric.de

Sales Partner:
You can reach us worldwide in more than 70 countries.
Find the contact address at: www.wieland-electric.com

For technical details use our eCatalog on our website
at <https://eshop.wieland-electric.com>

Subject to technical modifications!
gesis[®], **RST**[®], **GST**[®], **GST18**[®], **podis**[®], **samos**[®] and **saris**[®]
are registered trademarks of Wieland Electric GmbH