



Inductive Sensors with IO-Link Interface

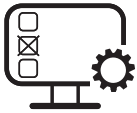
IO-Link

Benefits and features

IO-Link is the first international and manufacturer-independent standardised (IEC61131-9) communication interface that enables consistent communication from the sensor to the PLC.

A point-to-point connection enables not only the transmission of the switching signal, but also parameter, diagnostic, and communication data.

Flexible programming and monitoring



- Sensor output configurable as NO or NC
- Flexible teach-in of the switch-on and switch-off point up to the maximum switching distance of the sensor
- Monitoring of the operating hours and counting of the switching operations since starting the system

Simple commissioning and fast maintenance



- Simple integration into existing connection structures
- No high wiring costs due to use of M8 and M12 standard plug connections and unshielded 3-wire standard cables

Spare parts stock



- Reduction of spare stock due to fast configuration of standard sensors
- Flexible use via SIO and IO-Link mode

Manufacturer and fieldbus independent



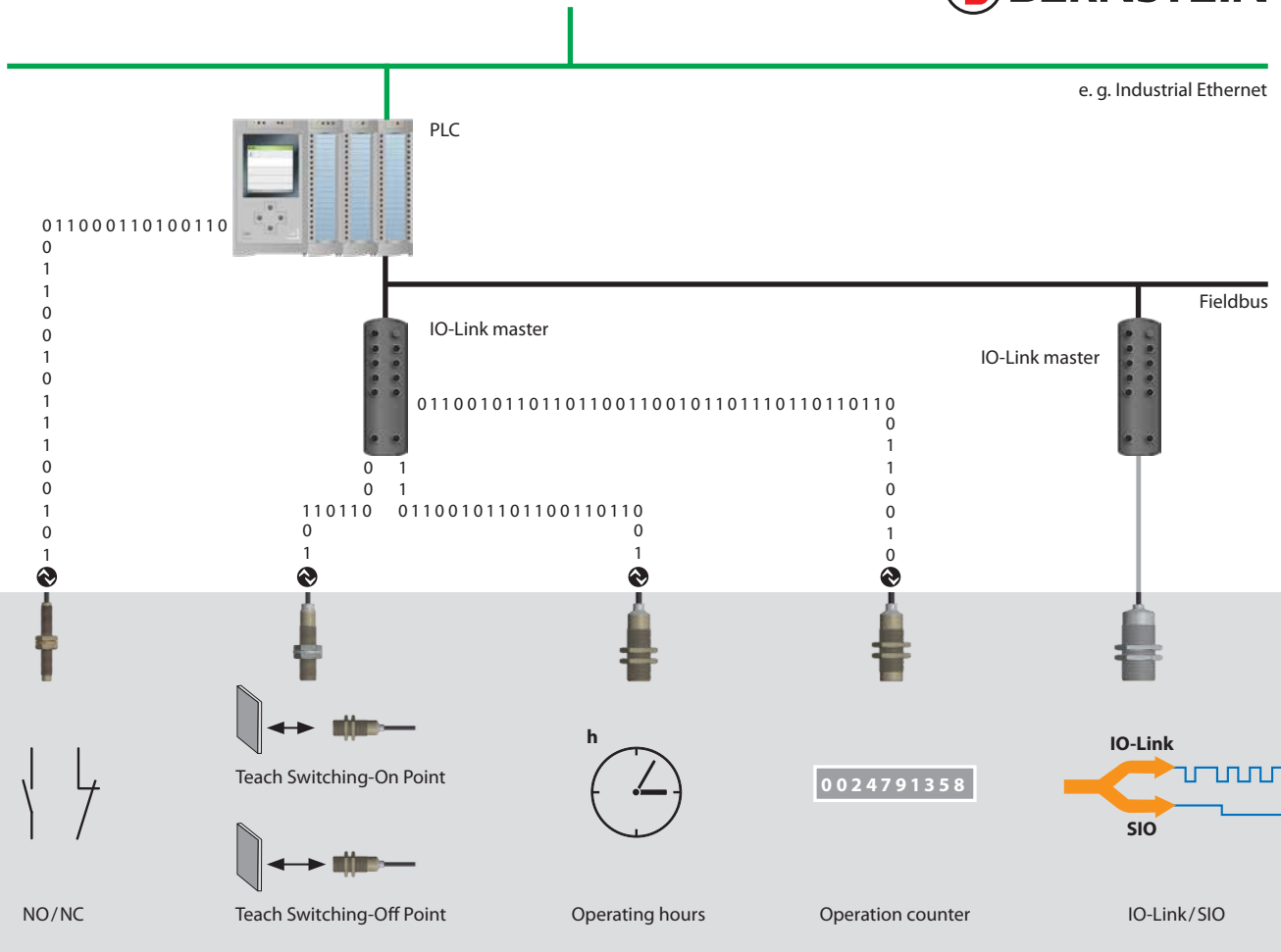
- Fieldbus-independent via appropriate IO-Link master
- The standardisation enables manufacturer-independent integration

Self-diagnosis



- Wire breakage or short-circuit are immediately detected by the master
- Critical internal voltages are detected in IO-Link mode





Type	Output	Switching function	Connection	Installation	Switching distance	Article number	Designation
D04	PNP	NC	Cable 2 m	Flush	1 mm	6532799001	KIB-D04PÖ/001-KL2I
D04	PNP	NO	Cable 2 m	Flush	1 mm	6532999001	KIB-D04PS/001-KL2I
M05	PNP	NC	Cable 2 m	Flush	1 mm	6532799002	KIB-M05PÖ/001-KL2I
M05	PNP	NO	Cable 2 m	Flush	1 mm	6532999002	KIB-M05PS/001-KL2I
M05	PNP	NC	Connector M8	Flush	1 mm	6532799003	KIB-M05PÖ/001-KLSM8I
M05	PNP	NO	Connector M8	Flush	1 mm	6532999003	KIB-M05PS/001-KLSM8I
M8	PNP	NO	Connector M8	Flush	1 mm	6532942003	KIB-M08PS/001-KLSM8I
M8	PNP	NC	Connector M8	Flush	1 mm	6532742003	KIB-M08PÖ/001-KLSM8I
M8	PNP	NO	Connector M8	Non-flush	2 mm	6532942004	KIN-M08PS/002-KLSM8I
M8	PNP	NC	Connector M8	Non-flush	2 mm	6532742004	KIN-M08PÖ/002-KLSM8I
M12	PNP	NO	Connector M12	Flush	2 mm	6532943002	KIB-M12PS/002-KLS12I
M12	PNP	NC	Connector M12	Flush	2 mm	6532743002	KIB-M12PÖ/002-KLS12I
M12	PNP	NO	Connector M12	Non-flush	4 mm	6532944002	KIN-M12PS/004-KLS12I
M12	PNP	NC	Connector M12	Non-flush	4 mm	6532744002	KIN-M12PÖ/004-KLS12I
M18	PNP	NO	Connector M12	Flush	5 mm	6532905004	KIB-M18PS/005-KLS12I
M18	PNP	NC	Connector M12	Flush	5 mm	6532705004	KIB-M18PÖ/005-KLS12I
M18	PNP	NO	Connector M12	Non-flush	10 mm	6532906004	KIN-M18PS/008-KLS12I
M18	PNP	NC	Connector M12	Non-flush	10 mm	6532706004	KIN-M18PÖ/008-KLS12I
M30	PNP	NO	Connector M12	Flush	10 mm	6532907004	KIB-M30PS/010-KLS12I
M30	PNP	NC	Connector M12	Flush	10 mm	6532707004	KIB-M30PÖ/010-KLS12I
M30	PNP	NO	Connector M12	Non-flush	20 mm	6532908004	KIN-M30PS/015-KLS12I
M30	PNP	NC	Connector M12	Non-flush	20 mm	6532708004	KIN-M30PÖ/015-KLS12I

All sensors are also available in shortened housing and/or with cable outlet

We are also able to supply you with customised versions.

**DETECT****We make
safety happen.****PROTECT****We keep safe
your visions.**

Contact

**International Headquarters
BERNSTEIN AG**

Hans-Bernstein-Str. 1
D-32457 Porta Westfalica
Phone +49 571 793-0
Fax +49 571 793-555
info@bernstein.eu
www.bernstein.eu

Denmark**BERNSTEIN A/S**

Phone +45 7020 0522
Fax +45 7020 0177
info.denmark@bernstein.eu

France**BERNSTEIN S.A.R.L.**

Phone +33 1 64 66 32 50
Fax +33 1 64 66 10 02
info.france@bernstein.eu

Italy**BERNSTEIN S.r.l.**

Phone +39 035 4549037
Fax +39 035 4549647
info@it.bernstein.eu

United Kingdom**BERNSTEIN Ltd**

Phone +44 1922 744999
Fax +44 1922 457555
sales@bernstein-ltd.co.uk

Austria**BERNSTEIN GmbH**

Phone +43 2256 62070-0
Fax +43 2256 62618
office@bernstein.at

Switzerland**BERNSTEIN (Schweiz) AG**

Phone +41 44 775 71-71
Fax +41 44 775 71-72
info.schweiz@bernstein.eu

Hungary**BERNSTEIN Kft.**

Phone +36 1 4342295
Fax +36 1 4342299
info@hu.bernstein.eu

China**BERNSTEIN Safe Solutions
(Taicang) Co., Ltd.**

Phone +86 512 81608180
Fax +86 512 81608181
info@bernstein-safesolutions.cn

www.bernstein.eu