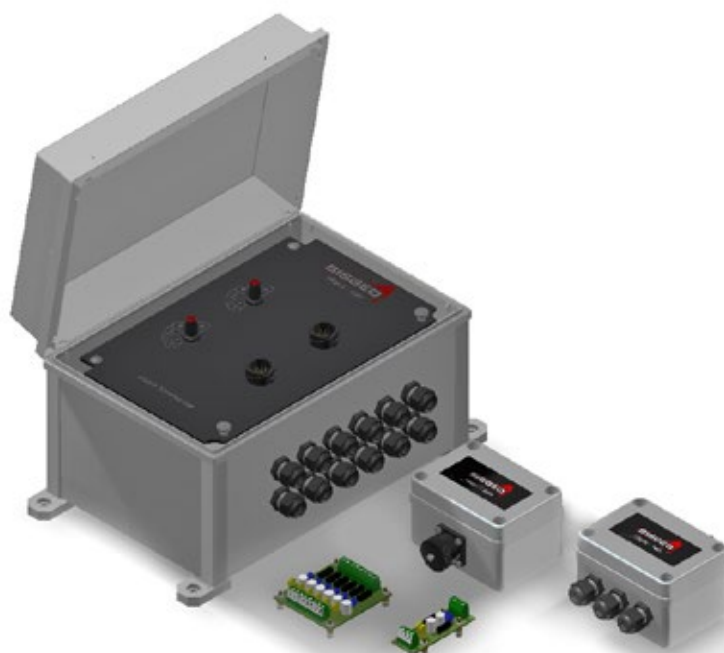— SYSTEM
ACCESSORIES

READOUTS,
DATALOGGERS
& ACCESSORIES

SYSTEM
ACCESSORIES

A good monitoring system includes not only instruments, cables, and readouts, but also reliable junction boxes, terminal boxes, overvoltage protection, jumper cables, and splice kits.

Junction boxes reduce cable costs by joining individual signal cables to a single multicore cable. Terminal boxes provide a convenient way to connect portable readouts to signal cables. Overvoltage protection helps prevent damage to instruments and cable from high-energy transients.

APPLICATIONS

- Joining up to 10 instrument cables to a single multicore cable

- Protecting instruments and cable from high-energy transients

- Providing convenient connections for portable readouts

- Providing reliable cable splices
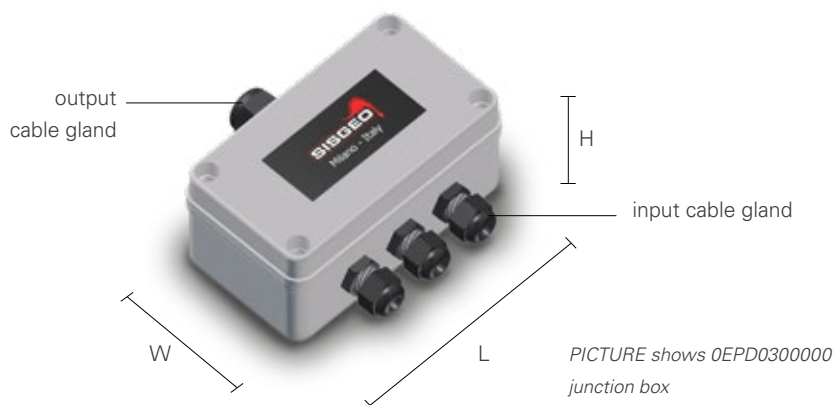
FEATURES

- All terminal boxes have reliable and robust military connectors

- Properly sized cable glands improve waterproofing of boxes

- All accessories can be customized per user requirements

CE *Meet the essential requirements of EMC directive 2014/30/UE*

SIMPLE JUNCTION BOXES

Available in different sizes to accommodate up to 10 instruments. Splashproof enclosure and cable glands. UY2 solvent-resistant butt connectors for wiring. Not compatible with digital instruments.
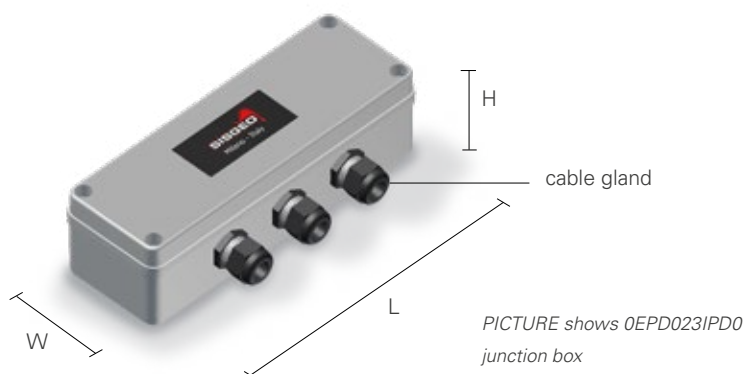
output cable gland

H

input cable gland

W

L

PICTURE shows 0EPD0300000 junction box

PRODUCT CODE	INPUT CABLES	INPUT WIRES	OUTPUT [1]	HOUSING	DIMENSION (LxWxH)
0EPD0300000	3 instrument cables	max 18 wires	1 multicore cable	ABS, IP67	140 x 80 x 65 mm
0EPD0600000	6 instrument cables	max 36 wires	1or 2 multicore cables	ABS, IP67	230 x 80 x 65 mm
0EPD1000000	10 instrument cables	max 60 wires	1or 2 multicore cables	ABS, IP67	190 x 190 x 130 mm

(1) Confirm quantity of output cable glands at order.

JUNCTION BOX FOR DIGITAL INSTRUMENTS

Digital junction box joins two RS485 bus cables (input) to a single bus cable (output). Splashproof box and cable glands. Screw terminals for wiring.

H

cable gland

W

L

PICTURE shows 0EPD023IPD0 junction box

PRODUCT CODE	INPUT CABLES	CABLE GLANDS	OUTPUT CABLE	HOUSING	DIMENSION (LxWxH)
0EPD023IPID0	2 RS485 chains	3 (2 input, 1 output)	0WE606IPDZH	ABS, IP67	230 x 80 x 65 mm

COMPLETE OVP JUNCTION BOXES

Small junction boxes complete with overvoltage protection, designed mainly to protect single instruments. Each wire is protected by a self-resetting fuse, a surge arrestor, a resistor, and a Zenamic varistor. Note that protection requires connection to an adequate functional ground.
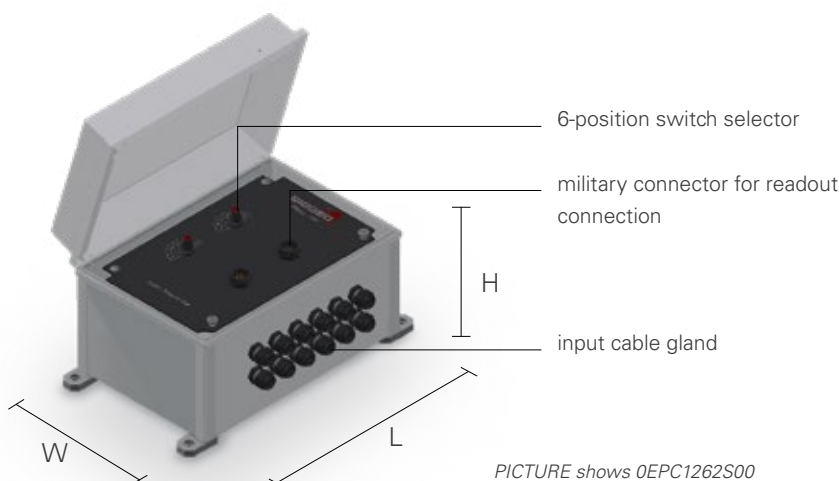

output cable gland

enclosed OVP board

input cable gland

H

W

L

PICTURE shows 0EPDP006W00 junction box

PRODUCT CODE	INPUT CABLES [1]	INPUT WIRES	OVP BOARDS	HOUSING	DIMENSION (LxWxH)
0EPDP002W00	1 cable	2 wires only	1 x 0EXK302W00	ABS, IP67	110 x 80 x 65 mm
0EPDP004W00	1 or 2 cables	4 wires total	2 x 0EXK302W00	ABS, IP67	110 x 80 x 65 mm

(1) Confirm number of input cable glands at order.

TERMINAL BOXES WITH ROTARY SWITCHES

Terminal boxes provide terminals, connectors, and rotary switches for 6, 12, 18, or 24 instruments. Used with portable readouts. Includes splashproof box and cable glands. See page 8 for jumper cable and readout compatibility.
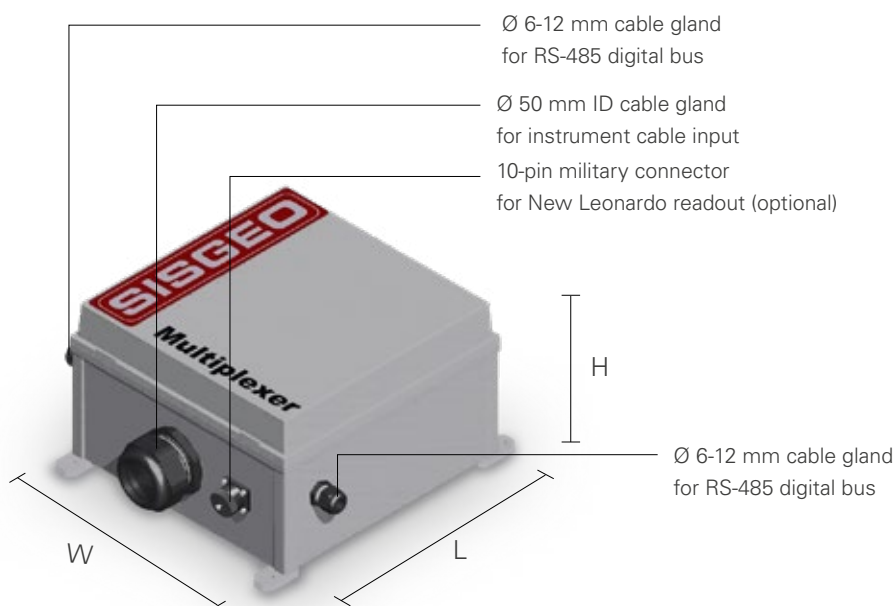

6-position switch selector

military connector for readout connection

H

input cable gland

W

L

PICTURE shows 0EPC1262S00 switch box

PRODUCT CODE	INPUTS [1]	COMPATIBLE WITH	SELECTORS	HOUSING	DIMENSION (LxWxH)
0EPC0661S00	up to 6 instruments	Up to 6-wire instruments [2]	1 switch selector	Polycarbonate, IP67	300 x 200 x 180 mm
0EPC1262S00	up to 12 instruments	Up to 6-wire instruments [2]	2 switch selectors	Polycarbonate, IP67	300 x 200 x 180 mm
0EPC1863S00	up to 18 instruments	Up to 6-wire instruments [2]	3 switch selectors	Polycarbonate, IP67	300 x 200 x 180 mm
0EPC2464S00	up to 24 instruments	Up to 6-wire instruments [2]	4 switch selectors	Polycarbonate, IP67	400 x 300 x 180 mm

(1) Confirm number of input cable glands at order.

(2) Compatible with vibrating wire + thermistor instruments (4-wire), biaxial 4-20mA instruments without thermistor (4-wire), Volt instruments (4-wire), PT-100 (4-wire), mV/V instruments (6-wires), all 2-wire instruments.

MULTIPLEXER BOXES

Multiplexer boxes expand the monitoring capacity of the Omnialog Logger. Each box adds connections for up to 48 sensors. Up to 16 boxes can be connected to OMNIAlog via a RS-485 digital bus, which greatly reduces cable costs. See OMNIA DAS datasheet for details. In addition, multiplexer boxes can be equipped with a 10-pin military connector (optional) to allow taking readings with New Leonardo portable readout. This is useful at earlier phases of a project when the full logger network is not yet in place.

Ø 6-12 mm cable gland
for RS-485 digital bus

Ø 50 mm ID cable gland
for instrument cable input

10-pin military connector
for New Leonardo readout (optional)

H

Ø 6-12 mm cable gland
for RS-485 digital bus

W   L

PICTURE shows 0OMN24MUXB0
multiplexer box

PRODUCT CODE	DESCRIPTION	CABLE GLANDS	HOUSING	DIMENSION (LxWxH)
0OMN24MUXB0	24-channel[1] mux box, OMNIAlog ready	1 x Ø 50 mm ID 2 x Ø 6-12 mm ID	Polycarbonate, IP65	300 x 300 x 180 mm
0OMN48MUXB0	48-channel[1] mux box, OMNIAlog ready	2 x Ø 50 mm ID 2 x Ø 6-12 mm ID	Polycarbonate, IP65	400 x 300 x 180 mm
0ECON10MUX0	10-pin military connector for New Leo readout	-	Aluminium	-

(1) 1 channel refer to a 2-wire gauge. 4-wire gauges occupy 2 channels. 6-wire gauges occupy 3 channels.

JUMPER CABLES FOR TERMINAL AND MUX BOXES

Jumper cables are required to connect the portable readout to the terminal or multiplexer boxes. Note that jumper cables are not included with readouts and must be purchased separately.

male connector
(readout)

female connector
(terminal boxes)

PICTURE shows 0ECAV07V200
jumper cable

PRODUCT CODE	BOX COMPATIBILITY	READOUT
0ECAV08V2S0	TERMINAL BOXES	CRD-400 [1]
0ECAV08V2S0	TERMINAL BOXES	MIND
0ECABMINDMU	MULTIPLEXER BOXES	MIND

(1) With CRD-400, the A and B channels of tiltmeters and inclinometers must be connected as different sensors.

MILITARY CONNECTORS

Male military connector is used for a direct connection to Galileo or New Leonardo readout.
Also available bulkhead connectors for installation on boxes or panels.

military connector

protective cap

bulkhead connector

protective cap

0ECONO7MV00

0ECONO7MP00

PRODUCT CODE	DESCRIPTION	MATERIAL	CONTACTS
0ECON07MV00	Male military connector	Aluminum body, gold-plated contacts	7 pin contacts
0ECON07FV00	Female military connector	Aluminum body, gold-plated contacts	7 socket contacts
0ECON07MP00	Male bulkhead military connector	Aluminum body, gold-plated contacts	7 pin contacts
0ECON07FP00	Female bulkhead military connector	Aluminum body, gold-plated contacts	7 socket contacts

SPLICE KITS

Splice kits are used when cables must be repaired or extended. Each splice kit includes circuit boards, butt connectors, plastic protection tubes, and the two-part epoxy resin kit for waterproofing.

PRODUCT CODE	DESCRIPTION
0EGSM0K0200	Splicing kit for 2 instrument cable elongation
0EGSM0K1000	Splicing kit for 10 instrument cable elongation

TWO-PART EPOXY RESIN KIT

This 500g kit includes resin and hardener. It can be used to seal junction boxes and OVP boxes. Included with splice kit.

PRODUCT CODE	CURE TIME	OPERATING TEMP.
1000RES2COR	24-48 h @23°C	-40 to +120°C

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ADDITIONAL SUPPORT

SISGEO offers customers e-mail and phone assistance to ensure proper use of instruments and readout and to maximize performance of the system.

For more information, please refer to the FAQ pages on our website
or email us: **assistance@sisgeo.com**