A Interface module selection

◆ 16-channel digital direct input - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
1-wire (signal)	✕	✕					• **9445700000**	RS 16ES H/V
	✕	✕		✕			• **9445710000**	RS 16ES-L H/V
			✕				• *9447700000*	RS 16ES H/Z
			✕	✕			• *9447710000*	RS 16ES-L H/Z
		✕		✕	✕		• *9445810000*	RS 16ES-S-I-L H/V
2-wire (signal, + or –)	✕	✕					• **9445720000**	RS 16ES-D H/V
	✕	✕		✕			• **9445730000**	RS 16ES-D-L H/V
			✕	✕			• *9447730000*	RS 16ES-D-L H/Z
	✕	✕		✕	✕		• *9445750000*	RS 16ES-D-I-L H/V
			✕	✕	✕		• *9447750000*	RS 16ES-D-I-L H/Z
		✕				✕	• *9445820000*	RS 16ES-D-F H/V
3-wire (signal, + and –)	✕	✕					• **9445760000**	RS 16ES-T H/V
	✕	✕		✕			• **9445770000**	RS 16ES-T-L H/V
			✕	✕			• *9447770000*	RS 16ES-T-L H/Z

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789100xxx (*)*
Standard	1	• *7789646xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

Solution 1

Note: Use only with positive logic, for negative invert the polarity of the source on the interface.

16-channel digital direct input - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
1-wire (signal)	✓	✓					• **9445700000**	RS 16ES H/V
	✓	✓		✓			• **9445710000**	RS 16ES-L H/V
			✓				• *9447700000*	RS 16ES H/Z
			✓	✓			• *9447710000*	RS 16ES-L H/Z
		✓		✓	✓		• *9445810000*	RS 16ES-S-I-L H/V
2-wire (signal, + or –)	✓	✓					• **9445720000**	RS 16ES-D H/V
	✓	✓		✓			• **9445730000**	RS 16ES-D-L H/V
			✓	✓			• *9447730000*	RS 16ES-D-L H/Z
	✓	✓		✓	✓		• *9445750000*	RS 16ES-D-I-L H/V
			✓	✓	✓		• *9447750000*	RS 16ES-D-I-L H/Z
		✓				✓	• *9445820000*	RS 16ES-D-F H/V
3-wire (signal, + and –)	✓	✓					• **9445760000**	RS 16ES-T H/V
	✓	✓		✓			• **9445770000**	RS 16ES-T-L H/V
			✓	✓			• *9447770000*	RS 16ES-T-L H/Z

Solution 2

Note: Use only with positive logic, for negative invert the polarity of the source on the interface.

16-channel digital optocoupler input - H System — 1 module

Input voltage	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Pluggable optocoupler	Order No.	Type
24…48 Vac/dc	✓	✓		✓	OD	• **9446900000**	RS16E-OD 24-48V H/V
115 Vac/dc	✓	✓		✓	OD	• *9446910000*	RS16E-OD 115 H/V
230 Vac/dc	✓	✓		✓	OD	• *9446920000*	RS16E-OD 230V H/V

B Cable selection

Compatible cable

Type	Qty	Order No.
Standard	1	• *7789100xxx (*)*
Standard	1	• *7789647xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

Solution 1

Note: Use the I/O PLC card in positive logic only.

32-channel digital direct input - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
1-wire (signal)	✓	✓					• **9445900000**	RS 32ES H/V
	✓	✓		✓			• **9445910000**	RS 32ES-L H/V
			✓				• *9447900000*	RS 32ES H/Z
			✓	✓			• *9447910000*	RS 32ES-L H/Z
		✓		✓	✓		• *9445870000*	RS 32ES-S-I-L H/V
2-wire (signal, + or –)	✓	✓		✓			• **9445930000**	RS 32ES-D-L H/V
			✓	✓			• *9447930000*	RS 32ES-D-L H/Z
	✓	✓		✓	✓		• *9445950000*	RS 32ES-D-I-L H/V
			✓	✓	✓		• *9447950000*	RS 32ES-D-I-L H/Z
		✓				✓	• *9445980000*	RS 32ES-D-F H/V
3-wire (signal, + and –)	✓	✓					• **9445960000**	RS 32ES-T H/V
	✓	✓		✓			• **9445970000**	RS 32ES-T-L H/V
			✓	✓			• *9447970000*	RS 32ES-T-L H/Z

Solution 2

Note: Use the I/O PLC card in positive logic only.

16-channel digital optocoupler input - H System — 2 modules

Input voltage	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Pluggable optocoupler	Order No.	Type
24…48 Vac/dc	✓	✓		✓	OD	• **9446900000**	RS16E-OD 24-48V H/V
115 Vac/dc	✓	✓		✓	OD	• *9446910000*	RS16E-OD 115 H/V
230 Vac/dc	✓	✓		✓	OD	• *9446920000*	RS16E-OD 230V H/V

B Cable selection

Compatible cable

Type	Qty	Order No.
Standard	1	• *7789370xxx*

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

Click the Order No. to view the technical data

A Interface module selection

◆ 8-channel digital direct input - R System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
2-wire (signal, + or –)							• **9441540000**	RS8ES-DP RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789108xxx (*)*
Standard	1	• *7789652xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 8-channel digital direct input - R System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
2-wire (signal, + or –)							• **9441540000**	RS8ES-DP RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789108xxx (*)*
Standard	1	• *7789652xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 16-channel digital direct output - R System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Discon-nectable	Fuse	Order No.	Type
1-wire (signal)		✓					• **9441500000**	RS16ES RSV1,6/V
		✓			✓		• *9441860000*	RS16ES-I RSV1,6/V
2-wire (signal, + or –)		✓					• **9441700000**	RS16ES-DP RSV1,6/V
		✓				✓	• *9441560000*	RS16ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			✓		• *9441600000*	RS16E-3E/I RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789104xxx (*)*
Standard	1	• *7789653xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 16-channel digital direct output - R System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Discon-nectable	Fuse	Order No.	Type
1-wire (signal)		✓					• **9441500000**	RS16ES RSV1,6/V
		✓			✓		• *9441860000*	RS16ES-I RSV1,6/V
2-wire (signal, + or –)		✓					• **9441700000**	RS16ES-DP RSV1,6/V
		✓				✓	• *9441560000*	RS16ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			✓		• *9441600000*	RS16E-3E/I RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789104xxx (*)*
Standard	1	• *7789654xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 8-channel digital direct output - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
2-wire (signal, + or –)							• **9445530000**	RS 8ES-D-L H/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789100xxx (*)*
Standard	1	• *7789663xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 16-channel digital direct output - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Discon-nectable	Fuse	Order No.	Type
1-wire (signal)	✓	✓					• **9445700000**	RS 16ES H/V
	✓	✓		✓			• **9445710000**	RS 16ES-L H/V
			✓				• *9447700000*	RS 16ES H/Z
			✓	✓			• *9447710000*	RS 16ES-L H/Z
		✓		✓	✓		• *9445810000*	RS 16ES-S-I-L H/V
2-wire (signal, + or –)	✓	✓					• **9445720000**	RS 16ES-D H/V
	✓	✓		✓			• **9445730000**	RS 16ES-D-L H/V
			✓	✓			• *9447730000*	RS 16ES-D-L H/Z
	✓	✓		✓	✓		• *9445750000*	RS 16ES-D-I-L H/V
			✓	✓	✓		• *9447750000*	RS 16ES-D-I-L H/Z
		✓				✓	• *9445820000*	RS 16ES-D-F H/V
3-wire (signal, + and –)	✓	✓					• **9445760000**	RS 16ES-T H/V
	✓	✓		✓			• **9445770000**	RS 16ES-T-L H/V
			✓	✓			• *9447770000*	RS 16ES-T-L H/Z

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789100xxx (*)*
Standard	1	• *7789655xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Relay output module selection

Solution 1

32-channel digital relay ouput - H System — 1 module

Compact version	Connection: Screw	Connection: Tension c.	Type of contact	Fuse	Force function	E-valve ctrl.	Order No.	Type
✕	✓		1CO				• **1108470000**	RSM32C-1CO H/V
✕		✓	1CO				• *9447200000*	RSM32C-1CO H/Z
	✓		1CO	✓			• *9445220000*	RSM32-1CO-Fu H/V

Solution 2

16-channel digital relay ouput - H System — 2 modules

Compact version	Connection: Screw	Connection: Tension c.	Type of contact	Fuse	Force function	E-valve ctrl.	Order No.	Type
	✓		1CO				• **9444610000**	RSM16-NV/1CO 24V (-/+)
		✓	1CO				• *9444660000*	RSM16-NZ/1CO 24V (-/+)
✕	✓		1CO				• *9445100000*	RSM16C-1CO H/V
✕		✓	1CO				• *9447100000*	RSM16C-1CO H/Z
✕	✓		1CO				• **1079390000**	RSM16 SLIM-1CO H/V
✕	✓		1CO				• *1094970000*	SUPPORT RSM16 SLIM-1CO H/V
	✓		2CO				• *9445160000*	RSM16-2CO H/V
		✓	2CO				• *9447160000*	RSM16-2CO H/Z
	✓		1CO		✓		• *9445140000*	RSM16-1CO-Fo H/V
	✓		1CO	✓			• *9445120000*	RSM16-1CO-Fu H/V
		✓	1CO	✓			• *9447120000*	RSM16-1CO-Fu H/Z
	✓		1NO			✓	• *9445180000*	RSM16 1NO/CDE-EV 24V- H/V

OR

A1 Direct output module selection

Click here

B Cable selection

Compatible cable

Type	Qty	Order No.
Standard	1	• *7789372xxx*

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

Click the Order No. to view the technical data

A Relay output module selection

◆ 16-channel digital relay ouput - H System — 1 module

Compact version	Connection: Screw	Connection: Tension c.	Type of contact	Fuse	Force function	E-valve ctrl.	Order No.	Type
	✓		1CO				• **9444610000**	RSM16-NV/1CO 24V (-/+)
		✓	1CO				• *9444660000*	RSM16-NZ/1CO 24V (-/+)
✓	✓		1CO				• *9445100000*	RSM16C-1CO H/V
✓		✓	1CO				• *9447100000*	RSM16C-1CO H/Z
✓	✓		1CO				• **1079390000**	RSM16 SLIM-1CO H/V
✓	✓		1CO				• *1094970000*	SUPPORT RSM16 SLIM-1CO H/V
	✓		2CO				• *9445160000*	RSM16-2CO H/V
		✓	2CO				• *9447160000*	RSM16-2CO H/Z
	✓		1CO		✓		• *9445140000*	RSM16-1CO-Fo H/V
	✓		1CO	✓			• *9445120000*	RSM16-1CO-Fu H/V
		✓	1CO	✓			• *9447120000*	RSM16-1CO-Fu H/Z
	✓		1NO			✓	• *9445180000*	RSM16 1NO/CDE-EV 24V- H/V

OR

A1 Direct output module selection

Click here

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789100xxx (*)*
Standard	1	• *7789655xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

Click the Order No. to view the technical data

A Interface module selection

◆ 8-channel digital direct output - R System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Disconnectable	Fuse	Order No.	Type
2-wire (signal, + or –)							• **9441540000**	RS8ES-DP RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789108xxx (*)*
Standard	1	• *7789656xxx (**)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

(**) OMRON connector included and 8 channels with same common

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 8-channel analog input/output — 1 module

	Compact version	Connection: Screw	Connection: Tension c.	Common distribution	Discon-nectable	Test point	Order No.	Type
Standard		✓		✓			• **9448010000**	RS8ESA-DP SD/V
		✓		✓	✓	✓	• *9448110000*	RS8ESA/I-M-DP SD/V
			✓	✓	✓	✓	• *9449110000*	RS8ESA/I-M-DP SD/Z
	✓	✓					• *8155650000*	RS-SD 25M/C (*)

(*) **Warning:**
Take in consideration the marking of the connector

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789252xxx (*)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

A Interface module selection

◆ 4-channel analog input/output — 1 module

	Compact version	Connection: Screw	Connection: Tension c.	Common distribution	Discon-nectable	Test point	Order No.	Type
Standard		✓		✓			• **9448000000**	RS4ESA-DP SD/V
		✓		✓	✓	✓	• *9448100000*	RS4ESA/I-M-DP SD/V
	✓	✓					• *8233350000*	RS-SD 15M/C (*)

(*) **Warning:**
Take in consideration the marking of the connector

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789250xxx (*)*

(*) The PLC connector is not included. The wires of the cable are free and equipped with ferrules

Note:
The Order No. suffix **xxx** indicates the length of the cable in **dm (= 10 cm)**.

Standard lengths:

Length **L**	Suffix **(xxx)**
• 1,00 m	(010)
• 1,50 m	(015)
• 2,00 m	(020)
• 3,00 m	(030)
• 4,00 m	(040)
• 5,00 m	(050)

➤ *Click the Order No. to view the technical data*

Direct output module selection

◆ 16-channel digital direct output - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Discon-nectable	Fuse	Order No.	Type
1-wire (signal)	✓	✓					• **9445700000**	RS 16ES H/V
	✓	✓		✓			• **9445710000**	RS 16ES-L H/V
			✓				• *9447700000*	RS 16ES H/Z
			✓	✓			• *9447710000*	RS 16ES-L H/Z
		✓		✓	✓		• *9445810000*	RS 16ES-S-I-L H/V
2-wire (signal, + or –)	✓	✓					• **9445720000**	RS 16ES-D H/V
	✓	✓		✓			• **9445730000**	RS 16ES-D-L H/V
			✓	✓			• *9447730000*	RS 16ES-D-L H/Z
	✓	✓		✓	✓		• *9445750000*	RS 16ES-D-I-L H/V
			✓	✓	✓		• *9447750000*	RS 16ES-D-I-L H/Z
		✓				✓	• *9445820000*	RS 16ES-D-F H/V
3-wire (signal, + and –)	✓	✓					• **9445760000**	RS 16ES-T H/V
	✓	✓		✓			• **9445770000**	RS 16ES-T-L H/V
			✓	✓			• *9447770000*	RS 16ES-T-L H/Z

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Click the Order No. to view the technical data

Direct output module selection

◆ 32-channel digital direct output - H System — 1 module

Wiring	Compact version	Connection: Screw	Connection: Tension c.	1 LED per ch.	Discon-nectable	Fuse	Order No.	Type
1-wire (signal)	✓	✓					• **9445900000**	RS 32ES H/V
	✓	✓		✓			• **9445910000**	RS 32ES-L H/V
			✓				• *9447900000*	RS 32ES H/Z
			✓	✓			• *9447910000*	RS 32ES-L H/Z
		✓		✓	✓		• *9445870000*	RS 32ES-S-I-L H/V
2-wire (signal, + or –)	✓	✓		✓			• **9445930000**	RS 32ES-D-L H/V
			✓	✓			• *9447930000*	RS 32ES-D-L H/Z
	✓	✓		✓	✓		• *9445950000*	RS 32ES-D-I-L H/V
			✓	✓	✓		• *9447950000*	RS 32ES-D-I-L H/Z
		✓				✓	• *9445980000*	RS 32ES-D-F H/V
3-wire (signal, + and –)	✓	✓					• **9445960000**	RS 32ES-T H/V
	✓	✓		✓			• **9445970000**	RS 32ES-T-L H/V
			✓	✓			• *9447970000*	RS 32ES-T-L H/Z

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Click the Order No. to view the technical data