A Interface module selection

➤ Solution 1 — For 2-wire connections per signal

◆ 32-channel digital direct input - 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)		●					• **9441510000**	RS32ES RSV1,6/V
		●			⊣⊢		• *9441870000*	RS32ES-I RSV1,6/V
2-wire (signal, + or –)		●					• **9441710000**	RS32ES-DP RSV1,6/V
		●				▭	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		●			⊣⊢		• **9441610000**	RS32E-3E/I RSV1,6/V

➤ Solution 2 — For 1-wire connection per signal and 2 common connections

◆ 16-channel digital direct input - 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 *(to select)*

Type	Qty	Order No.
Solution 1	1	• *7789118xxx (1)*
Solution 2	1	• *7789110xxx (2)*

*(1) Use for **16 signals with 2 wires per signal**.*
*(2) Use for **16 signals with 2 common wires**.*

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

◆ 32-channel digital direct input - 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)		✓					• **9441510000**	RS32ES RSV1,6/V
		✓			✓		• *9441870000*	RS32ES-I RSV1,6/V
2-wire (signal, + or –)		✓					• **9441710000**	RS32ES-DP RSV1,6/V
		✓				✓	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			✓		• **9441610000**	RS32E-3E/I RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789118xxx (*)*

(*) 32 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

Note: To select a module, observe the rated voltage of the card.

➤ Solution 1 — For 2-wire connections per signal

◆ 32-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
1-wire (signal)		✓					• **9441510000**	RS32ES RSV1,6/V
		✓			✓		• *9441870000*	RS32ES-I RSV1,6/V **(*)**
2-wire (signal, + or –)		✓					• **9441710000**	RS32ES-DP RSV1,6/V
		✓				✓	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			✓		• **9441610000**	RS32E-3E/I RSV1,6/V

(*) Applicable for a voltage of 250 V

➤ Solution 2 — For 1-wire connection per signal and 2 common connections

◆ 16-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
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

(*) Applicable for a voltage of 250 V

B Cable selection

◆ Compatible cable *(to select)*

Type	Qty	Order No.
Solution 1	1	• *7789118xxx (1)*
Solution 2	1	• *7789110xxx (2)*

*(1) Use for **16 signals with 2 wires per signal**.*
*(2) Use for **16 signals with 2 common wires**.*

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 — For 2-wire connections per signal

◆ 32-channel digital direct input - 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)							• **9441510000**	RS32ES RSV1,6/V
					⊣⊢		• *9441870000*	RS32ES-I RSV1,6/V
2-wire (signal, + or –)							• **9441710000**	RS32ES-DP RSV1,6/V
						▭	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)					⊣⊢		• **9441610000**	RS32E-3E/I RSV1,6/V

➤ Solution 2 — For 1-wire connection per signal and 2 common connections

◆ 16-channel digital direct input - 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 *(to select)*

Type	Qty	Order No.
Solution 1	1	• *7789118xxx (1)*
Solution 2	1	• *7789110xxx (2)*

*(1) Use for **16 signals with 2 wires per signal**.*
*(2) Use for **16 signals with 2 common wires**.*

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

◆ 32-channel digital direct input - 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)		✓					• **9441510000**	RS32ES RSV1,6/V
		✓			✓		• *9441870000*	RS32ES-I RSV1,6/V
2-wire (signal, + or –)		✓					• **9441710000**	RS32ES-DP RSV1,6/V
		✓				✓	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			✓		• **9441610000**	RS32E-3E/I RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789118xxx (*)*

(*) 32 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

➤ Solution 1 — For 2-wire connections per signal

◆ 32-channel digital direct input - 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)							• **9441510000**	RS32ES RSV1,6/V
					⊣⊢		• *9441870000*	RS32ES-I RSV1,6/V
2-wire (signal, + or –)							• **9441710000**	RS32ES-DP RSV1,6/V
						▭	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)					⊣⊢		• **9441610000**	RS32E-3E/I RSV1,6/V

➤ Solution 2 — For 1-wire connection per signal and 2 common connections

◆ 16-channel digital direct input - 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 *(to select)*

Type	Qty	Order No.
Solution 1	1	• *7789118xxx (1)*
Solution 2	1	• *7789110xxx (2)*

*(1) Use for **16 signals with 2 wires per signal**.*
*(2) Use for **16 signals with 2 common wires**.*

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

◆ 32-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
1-wire (signal)		✓					• **9441510000**	RS32ES RSV1,6/V
		✓			✓		• *9441870000*	RS32ES-I RSV1,6/V
2-wire (signal, + or –)		✓					• **9441710000**	RS32ES-DP RSV1,6/V
		✓				✓	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			✓		• **9441610000**	RS32E-3E/I RSV1,6/V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789118xxx (*)*

(*) 32 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

➤ Solution 1

◆ 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

◆ 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	• *7789119xxx (*)*

(*) 16 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

➤ Solution 1

◆ 32-channel digital direct input - 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

➤ Solution 2

◆ 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	• *7789121xxx (*)*

(*) 32 channels with 2 commons

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

◆ 32-channel digital direct input - 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

➤ Solution 2

◆ 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	• *7789121xxx (*)*

(*) 32 channels with 2 commons

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

◆ 32-channel digital direct input - H System — 3 modules

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

◆ 16-channel digital optocoupler input - H System — 6 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	6	• *7789301xxx*

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

Note: To select a module, observe the rated voltage of the card.

➤ Solution 1 — For 2-wire connections per signal

◆ 32-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)		●					**9441510000**	RS32ES RSV1,6/V
		●			⊣⊢		*9441870000*	RS32ES-I RSV1,6/V **(*)**
2-wire (signal, + or –)		●					**9441710000**	RS32ES-DP RSV1,6/V
		●				▭	*9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		●			⊣⊢		**9441610000**	RS32E-3E/I RSV1,6/V

(*) Applicable for a voltage of 250 V

➤ Solution 2 — For 1-wire connection per signal and 2 common connections

◆ 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

(*) Applicable for a voltage of 250 V

B Cable selection

◆ Compatible cable *(to select)*

Type	Qty	Order No.
Solution 1	1	*7789118xxx (1)*
Solution 2	1	*7789112xxx (2)*

*(1) Use for **16 signals with 2 wires per signal**.*
*(2) Use for **16 signals with 2 common wires**.*

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

Note: To select a module, observe the rated voltage of the card.

◆ 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

(*) Applicable for a voltage of 250 V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789113xxx (*)*

(*) 16 channels with 2 commons

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	• *7789121xxx (*)*

(*) 32 channels with 2 commons

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

Weidmüller

A Relay output module selection

Note: Operate the output PLC card with 24 V dc only

◆ 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	• *7789120xxx (*)*

(*) 16 channels with 2 commons

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 — 3 modules

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 — 6 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	6	• *7789301xxx*

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

Note: To select a module, observe the rated voltage of the card.

◆ 32-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)		✓					• **9441510000**	RS32ES RSV1,6/V
		✓			⟷		• *9441870000*	RS32ES-I RSV1,6/V **(*)**
2-wire (signal, + or –)		✓					• **9441710000**	RS32ES-DP RSV1,6/V
		✓				▭	• *9441570000*	RS32ES-DP/F RSV1,6/V
3-wire (signal, + and –)		✓			⟷		• **9441610000**	RS32E-3E/I RSV1,6/V

(*) Applicable for a voltage of 250 V

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789118xxx*

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*

I/O card 140 DDM 390 00

A Interface module selection

Input selection
Click here

Output selection
Click here

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789133xxx (*)*

(*) For the outputs and inputs, 8 or 16 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 *(to select)*

Type	Qty	Order No.
Standard	1	• *7789134xxx (1)*
Standard	1	• *7789125xxx (2)*

*(1) Use this cable for **voltage signals**.*
*(2) Use this cable for **current signals**.*

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 *(to select)*

Type	Qty	Order No.
Standard	1	• *7789134xxx (1)*
Standard	1	• *7789125xxx (2)*

*(1) Use this cable for **voltage signals**.*
*(2) Use this cable for **current signals**.*

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	• *7789135xxx (*)*

*(*) Use this cable for **2-wire** applications*

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 analog input/output — 1 module

	Compact version	Connection: Screw	Connection: Tension c.	Common distribution	Discon-nectable	Test point	Order No.	Type
Standard		✓		✓			• **9448020000**	RS16ESA-DP SD/V
		✓		✓	✓	✓	• *9448120000*	RS16ESA/I-M-DP SD/V
			✓	✓	✓	✓	• *9449120000*	RS16ESA/I-M-DP SD/Z
	✓	✓					• *8155660000*	RS-SD 37M/C (*)

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

B Cable selection

◆ Compatible cable

Type	Qty	Order No.
Standard	1	• *7789123xxx*

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	• *7789136xxx (*)*

*(*) Use this cable for **2-wire** applications*

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	• *7789124xxx (*)*

(*) Unmonitored current configuration

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	• *7789126xxx (*)*

(*) Unmonitored current configuration

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	• *7789137xxx*

(*) Unmonitored current configuration

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*

Input interface module selection

Solution 1

16-channel digital direct input - 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

Solution 2

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

Output selection
Click here

Cable selection
Click here

Click the Order No. to view the technical data

Output interface module selection

➤ Solution 1 *Relay output module selection*

◆ **8-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
	>C<			1CO				• **9445000000**	RSM8C-1CO H/V
	>C<			1CO				• *9447000000*	RSM8C-1CO H/Z

➤ Solution 2 *Direct output module selection*

Click here

Input selection
Click here

Cable selection
Click here

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

Direct output module selection

◆ 8-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
2-wire (signal, + or –)							• **9445530000**	RS 8ES-D-L H/V

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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

Direct output module selection

◆ 32-channel digital direct output - H System — 3 modules

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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