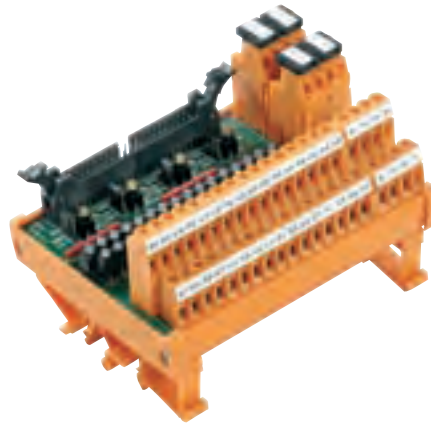


**For 32-channel digital I/O cards**

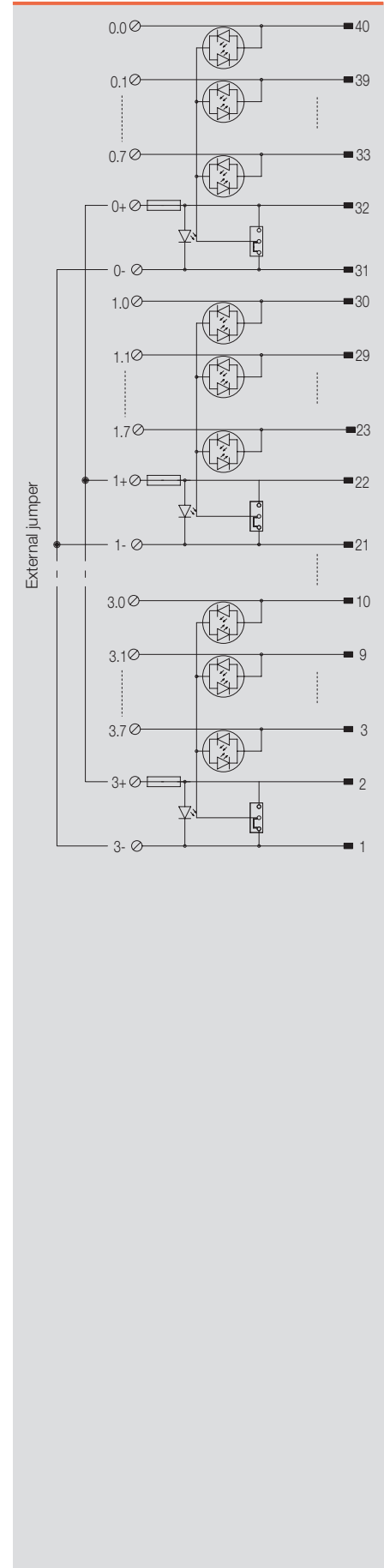
- Interfaces with extremely narrow width for 32 digital input/output signals
- Signals optionally grouped by byte (selectable via jumper)
- Allows positive or negative switching (selectable via jumper)
- Optional status indicator (LED) shows the switching state and the operating voltages
- Choice of screw or tension clamp terminal

**RSF PLC 1W 32IO**

**H-System – 1-wire**  
Version: screw/tension clamp connection



**Schematic Diagram**



**Technical data**

<b>Connection</b>	
Connection to PLC	HE 10 connector - 40 pole
Connection type V (screw clamp) Flexible/Solid	0.5...4 mm <sup>2</sup> / 0.5...6 mm <sup>2</sup> (AWG 26...12)
Connection type Z (tension clamp) Flexible/Solid	0.2...1.5 mm <sup>2</sup> / 0.2...2.5 mm <sup>2</sup> (AWG 24...14)
<b>Input-Output Data</b>	
Operating voltage	≤ 30 V AC 60 V DC (version without LED) / 24 V DC ± 10% (versions with LED)
Max. current per channel	1 A
Max. current per byte	2 A
Fuse per channel	-
Disconnection per channel	-
LED status indication per channel	Green (versions with LED)
Polarity distribution	+ or - selectable with a jumper
Max. current of joint potential	-
PLC card supply voltage / LED voltage status	24 V DC / LED yellow
PLC card supply current	4 A
PLC card supply current fuse	2.5 A
<b>Insulation coordination (EN50178)</b>	
Rated voltage	< 50 V AC
Overvoltage category	III
Pollution degree	2
Insulation test voltage	0.5 KV DC
Ambient temperature	-25...50 °C
Storage temperature	-40...60 °C
<b>Dimensions</b>	
Length x width x height	113 x 87.5 x 72 mm
<b>Approvals</b>	
Standards	In accordance to IEC 60664-EN50178
<b>Note</b>	
(*) The module is intended to be used inside and at least in an IP2X enclosure.	

**Ordering data**

Version	Type	Order No.
Screw connection without LED	RSF PLC 1W 32IO S	1128140000
Screw connection with LED	RSF PLC 1W 32IO LED S	1128160000
Tension clamp connection without LED	RSF PLC 1W 32IO Z	1128150000
Tension clamp connection with LED	RSF PLC 1W 32IO LED Z	1128170000

**Accessories**

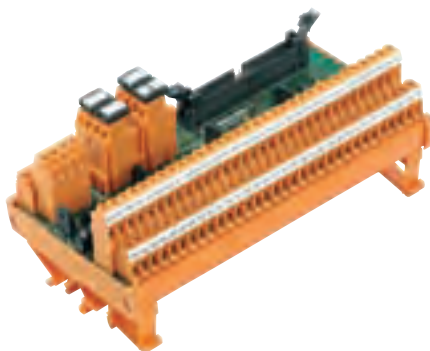
<b>Note</b>
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**For 32-channel digital I/O cards**

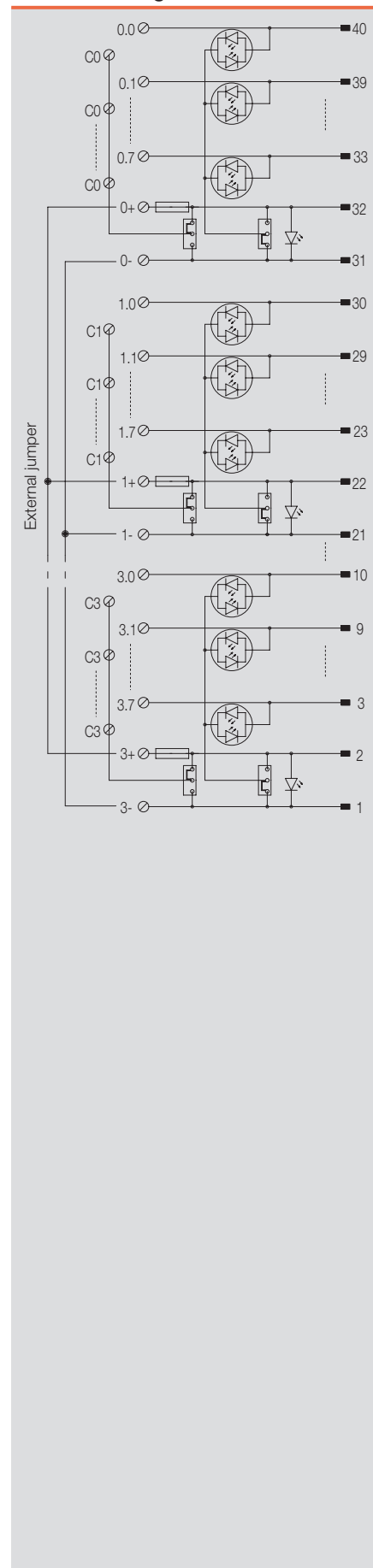
- Interfaces with extremely narrow width for 32 digital input/output signals
- Signals optionally grouped by byte (selectable via jumper)
- Allows positive or negative switching (selectable via jumper)
- Optional status indicator (LED) shows the switching state and the operating voltages
- Choice of screw or tension clamp terminal

**RSF PLC 2W 32IO**

**H-System – 2-wire**  
**Version: screw/tension clamp connection**



**Schematic Diagram**



**Technical data**

<b>Connection</b>	
Connection to PLC	
Connection type V (screw clamp) Flexible/Solid	
Connection type Z (tension clamp) Flexible/Solid	
<b>Input-Output Data</b>	
Operating voltage	
Max. current per channel	
Max. current per byte	
Fuse per channel	
Disconnection per channel	
LED status indication per channel	
Polarity distribution	
Max. current of joint potential	
PLC card supply voltage / LED voltage status	
PLC card supply current	
PLC card supply current fuse	
<b>Insulation coordination (EN50178)</b>	
Rated voltage	
Overvoltage category	
Pollution degree	
Insulation test voltage	
Ambient temperature	
Storage temperature	
<b>Dimensions</b>	
Length x width x height	mm
<b>Approvals</b>	
Standards	
<b>Note</b>	

HE 10 connector - 40 pole
0.5...4 mm <sup>2</sup> / 0.5...6 mm <sup>2</sup> (AWG 26...12)
0.2...1.5 mm <sup>2</sup> / 0.2...2.5 mm <sup>2</sup> (AWG 24...14)
≤ 30 V AC 60 V DC (version without LED) / 24 V DC ± 10% (versions with LED)
1 A
2 A
-
-
Green (versions with LED)
+ or - selectable with a jumper
3 A
24 V DC / LED yellow
4 A
2.5 A
< 50 V AC
III
2
0.5 KV DC
-25...50 °C
-40...60 °C
In accordance to IEC 60664-EN50178
(*) The module is intended to be used inside and at least in an IP2X enclosure.

**Ordering data**

<b>Version</b>	
Screw connection without LED	
Screw connection with LED	
Tension clamp connection without LED	
Tension clamp connection with LED	
<b>Note</b>	

<b>Type</b>	<b>Order No.</b>
RSF PLC 2W 32IO S	1128180000
RSF PLC 2W 32IO LEDES S	1128200000
RSF PLC 2W 32IO Z	1128190000
RSF PLC 2W 32IO LEDES Z	1128210000

**Accessories**

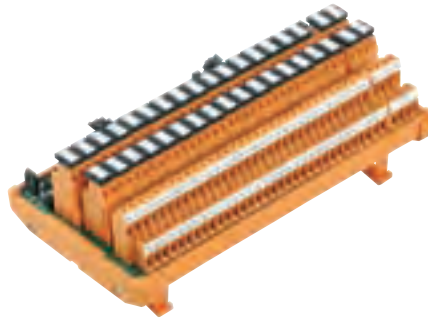
<b>Note</b>
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**For 32-channel digital I/O cards**

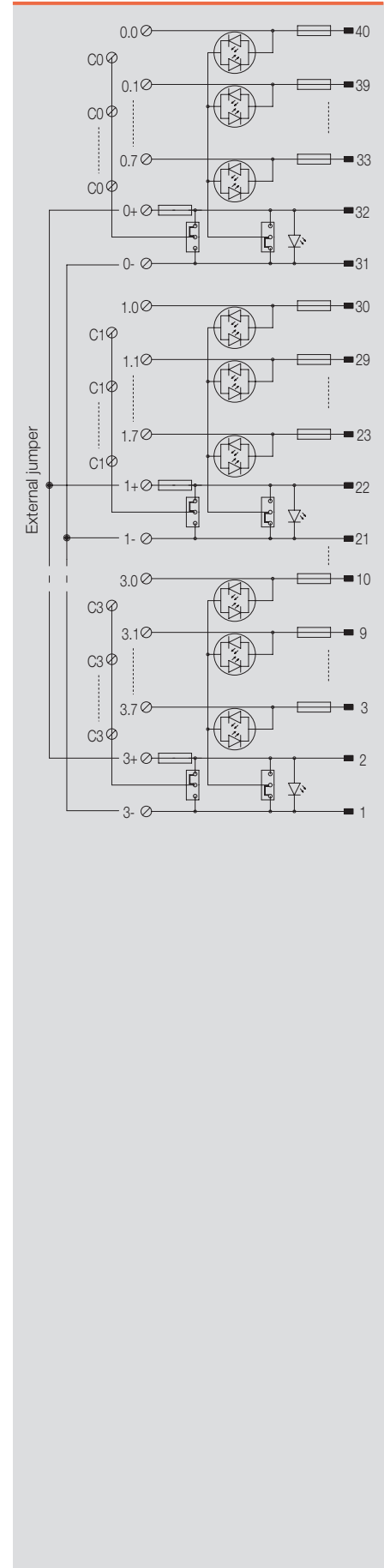
- Interfaces with extremely narrow width for 32 digital input/output signals
- Signals optionally grouped by byte (selectable via jumper)
- Allows positive or negative switching (selectable via jumper)
- Optional status indicator (LED) shows the switching state and the operating voltages
- Each circuit is individually protected by fuse 5x20
- Choice of screw or tension clamp terminal

**RSF PLC 2W 32IO - Fuses**

**H-System – 2-wire**  
**Version: screw/tension clamp connection**



**Schematic Diagram**



**Technical data**

<b>Connection</b>	
Connection to PLC	HE 10 connector - 40 pole
Connection type V (screw clamp) Flexible/Solid	0.5...4 mm <sup>2</sup> / 0.5...6 mm <sup>2</sup> (AWG 26...12)
Connection type Z (tension clamp) Flexible/Solid	0.2...1.5 mm <sup>2</sup> / 0.2...2.5 mm <sup>2</sup> (AWG 24...14)
<b>Input-Output Data</b>	
Operating voltage	24 V DC ± 10%
Max. current per channel	1 A
Max. current per byte	2 A
Fuse per channel	0.5 A fuse on each channel
Disconnection per channel	-
LED status indication per channel	Green
Polarity distribution	+ or - selectable with a jumper
Max. current of joint potential	3 A
PLC card supply voltage / LED voltage status	24 V DC / LED yellow
PLC card supply current	4 A
PLC card supply current fuse	2.5 A
<b>Insulation coordination (EN50178)</b>	
Rated voltage	< 50 V AC
Overvoltage category	III
Pollution degree	2
Insulation test voltage	0.5 KV DC
Ambient temperature	-25...50 °C
Storage temperature	-40...60 °C
<b>Dimensions</b>	
Length x width x height	200 x 87.5 x 72 mm
<b>Approvals</b>	
Standards	In accordance to IEC 60664-EN50178
<b>Note</b>	(*) The module is intended to be used inside and at least in an IP2X enclosure.

**Ordering data**

Version	Type	Order No.
Screw connection without LED	RSF PLC 2W 32IO FUS S	1128240000
Screw connection with LED		
Tension clamp connection without LED	RSF PLC 2W 32IO FUS Z	1128250000
Tension clamp connection with LED		

**Accessories**

<b>Note</b>
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