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## RX 9360.210

## RiLineX connection adaptor

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FRIEDHELM LOH GROUP



# RX 9360.210 - RiLineX connection adaptor

RiLineX connection adaptor for 60 mm busbar systems. The adaptor boasts an impressive compact design and simple conductor connection. Dismantling requires the use of tools. Conductors may be connected either from above or below. The connection clamps support through-wiring. Mounted by simply snapping onto the RiLineX board. The supply leads and adaptors are screw-fastened onto the board together. The connection adaptor features a high current-carrying capacity plus high levels of short-circuit protection and universal contact hazard protection that adapts to the relevant wire gauge. The device has a screw fastening, and is suitable for bar widths of between 5 and 10 mm.



## Features

Model No.	RX 9360.210
Benefits	Mounting on the busbar system and cable connection with just one screw
Material	Polyamide (PA 6) Fire protection corresponding to UL 94
Colour	RAL 9005
Rated current (guideline value, IEC)	171 A
Max. rated current of round conductor (IEC)	320 A
Max. rated current of round conductors (UL)	280 A

# Features

Note	<p>The specified rated current as a guideline value is based on the recommended maximum operating current for single-wire cables with an admissible conductor temperature of 70 °C to IEC 61439-1, Table H.1 when laid horizontally in free air, at an ambient temperature of 55 °C.</p> <p>The specified max. rated current (IEC) describes the recommended max. operating current of the terminal connection with a temperature rise limit of 70K to IEC 61439-1 (Table 6) for conductors laid in free air with clearance. Please note the maximum admissible insulation temperature.</p>
Electrical ratings UL (SCCR)	<p>10 kA - 600 V, RMS, unprotected</p> <p>100 kA - 600 V, circuit breaker max. 250 A, DIVQ/7</p> <p>100 kA - 600 V, Fuse Class J max. 200 A, JDDZ/7</p>
Cable outlet	Top/bottom
For bar systems with centre-to-centre spacing	60 mm
Number of poles	3-pole
To fit busbar system	<p>RiLineX</p> <p>RiLine60</p>
Dimensions	<p>Width: 63.2 mm</p> <p>Height: 239.4 mm</p> <p>Depth: 79.2 mm</p>
Connection of round conductors	2.5 - 70 mm <sup>2</sup>
To fit busbars	<p>12 x 5/10</p> <p>15 x 5/10</p> <p>20 x 5/10</p> <p>30 x 5/10</p>
Rated voltage	<p>800 V AC</p> <p>800 V DC</p> <p>600 V AC (UL)</p> <p>600 V DC (UL)</p>
Contamination level	3
Standards	<p>IEC/EN 61439-1</p> <p>UL 508</p>

# Features

Rated impulse withstand voltage Uimp	8 kV
Rated insulation voltage Ui	800 V
Heat loss max.	14 W
IP protection category to IEC 60529	IP 2X
Maximum operating air humidity	90 %
Operating temperature range	-5 °C...55 °C
Storage temperature range	-25 °C...75 °C
Ambient humidity (non-condensing)	10...90 %
Fire load	6,963 MJ/m <sup>2</sup>
Packs of	4 pc(s).
Net weight	1,776 kg
Gross weight	1,925 kg
PCF per pack (cradle-to-gate)	9.86
Customs tariff number	85369010
ETIM 9	EC001531
Product description	RiLineX connection adaptor for 60 mm busbar systems. The adaptor boasts an impressive compact design and simple conductor connection. Dismantling requires the use of tools. Conductors may be connected either from above or below. The connection clamps support through-wiring. Mounted by simply snapping onto the RiLineX board. The supply leads and adaptors are screw-fastened onto the board together. The connection adaptor features a high current-carrying capacity plus high levels of short-circuit protection and universal contact hazard protection that adapts to the relevant wire gauge. The device has a screw fastening, and is suitable for bar widths of between 5 and 10 mm.

# Approvals

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Approvals	UL + C-UL (listed)
Explanations	Declaration of conformity PCF-declaration

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## Tender text

RiLineX connection adaptor (320 A)

RiLineX connection adaptor for 60 mm busbar systems. The device has screw fastening for simultaneous contact between the rail and conductor and adjustment for the busbar thickness.

For voltages up to 800 V AC and 800 V DC.

IEC and UL approved.

Product information

Number of poles: 3

Busbar dimensions: 15/20/30 mm x 5/10 mm

Rated current max.: 320 A

Connection: max. 70 mm<sup>2</sup>

Cable outlet: oben/unten

Dimensions: 63 mm x 240 mm x 80 mm (WxHxD)

Manufacturer: Rittal GmbH & Co. KG

Type: 9360210