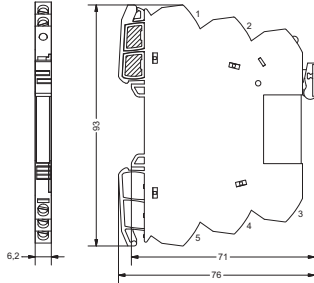


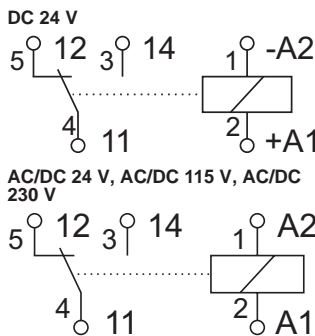
# Interface Technology - LCIS Relay Module



## Dimensions



## PIN assignment

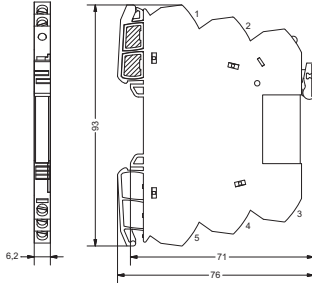


Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760020.1000	LCIS-RS24DC-S-1U	5
	AC/DC 24 V	760021.1000	LCIS-RS24UP-S-1U	5
	AC/DC 115 V	760051.1000	LCIS-RS120UP-S-1U	5
	AC/DC 230 V	760061.1000	LCIS-RS230UP-S-1U	5
<b>Push-In</b>				
Nominal voltage	DC 24 V	761020.1000	LCIS-RS24DC-PI-1U	5
	AC/DC 24 V	761021.1000	LCIS-RS24UP-PI-1U	5
	AC/DC 115 V	761051.1000	LCIS-RS120UP-PI-1U	5
	AC/DC 230 V	761061.1000	LCIS-RS230UP-PI-1U	5
<b>Input</b>				
	<b>DC 24 V</b>	<b>AC/DC 24 V</b>	<b>AC/DC 115 V</b>	<b>AC/DC 230 V</b>
Input voltage range	19.2 – 30.0 V		92.0 – 126.5 V	184.0 – 253.0 V
Rated current	11.0 mA	13.0 mA	5.0 mA	3.5 mA
Interrupting voltage	< 2.4 V		<11 V	<23 V
Protection device	Reverse diode		Bridge rectifier	
Max. length of connecting lead	DC 1000 m / AC 500 m			
Status Indication	LED green			
Rated frequency	–		50–60 Hz	
<b>Output</b>				–
Contact type	1 change over contact			
Min. switching voltage	AC/DC 17 V			
Max. switching voltage	AC/DC 250 V			
Min. switching current	AC/DC 5 mA			
Max. switching current	AC/DC 6 A			
Switching capacity AC 15	3 A			
Switching capacity DC 13	at 24 V: 1 A, at 125 V: 200 mA, at 250 V: 100 mA			
Max. switching capacity	1500 VA			
Contact material	AgSnO <sub>2</sub>			
Mechanical service life	> 5 × 10 <sup>7</sup> operations			
Switch-on delay	6 ms	DC: 6 ms AC: 10 ms	8 ms	
Switch-off delay	13 ms	DC: 10 ms AC: 10 ms	13 ms	
Clearance/creep. dist. (control/load side)	>5.5 mm			
<b>General</b>				
Housing material	PA 6.6 (UL 94 V-0)			
Protection class	IP 20			
Field installation	rail TS 35 (EN 60175)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Rated insulation voltage (EN 50178)	– V			
Safe isolation	yes			
Operation temperature range	–25 °C – 60 °C			
Storage temperature range	–40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 90.0 × 76.0 mm			
Weight (kg/piece)	0.035			
Approvals	UL, CSA, GL in preparation			
Termination	Screw terminal: solid		Push-In: solid	
	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14		0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	
	fine stranded with ferrule		fine stranded with ferrule	
	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16		0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	
	Stripping length: 6 mm		Stripping length: 8 mm	
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm	

# Interface Technology - LCIS Relay Module

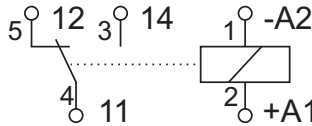


## Dimensions

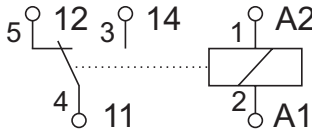


## PIN assignment

### DC 24 V



### AC/DC 24 V, AC/DC 115 V, AC/DC 230 V



Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760020.1010	LCIS-RS24DC-S-1U-HTV	5
	AC/DC 24 V	760021.1010	LCIS-RS24UP-S-1U-HTV	5
	AC/DC 115 V	760051.1010	LCIS-RS120UP-S-1U-HTV	5
	AC/DC 230 V	760061.1010	LCIS-RS230UP-S-1U-HTV	5
<b>Push-In</b>				
Nominal voltage	DC 24 V	761020.1010	LCIS-RS24DC-PI-1U-HTV	5
	AC/DC 24 V	761021.1010	LCIS-RS24UP-PI-1U-HTV	5
	AC/DC 115 V	761051.1010	LCIS-RS120UP-PI-1U-HTV	5
	AC/DC 230 V	761061.1010	LCIS-RS230UP-PI-1U-HTV	5
<b>Input</b>				
	<b>DC 24 V</b>	<b>AC/DC 24 V</b>	<b>AC/DC 115 V</b>	<b>AC/DC 230 V</b>
Input voltage range	19.2 – 30.0 V		92.0 – 126.5 V	184.0 – 253.0 V
Rated current	11.0 mA	13.0 mA	5.0 mA	3.5 mA
Interrupting voltage	< 2.4 V		<11 V	<23 V
Protection device	Free-wheeling diode		Bridge rectifier	
Max. length of connecting lead	DC 1000 m / AC 500 m			
Status Indication	LED green			
Rated frequency	–		50–60 Hz	
<b>Output</b>				
Contact type	1 change over contact			
Min. switching voltage	AC/DC 1 V			
Max. switching voltage	AC/DC 250 V			
Min. switching current	AC/DC 1 mA			
Max. switching current	AC/DC 6 A			
Switching capacity AC 15	3 A			
Switching capacity DC 13	at 24 V: 1 A, at 125 V: 200 mA, at 250 V: 100 mA			
Max. switching capacity	1500 VA			
Contact material	AgSnO <sub>2</sub> + 5 µm HV			
Mechanical service life	> 5 × 10 <sup>7</sup> operations			
Switch-on delay	5 ms	DC: 6 ms AC: 12 ms	8 ms	
Switch-off delay	4 ms	DC: 14 ms AC: 15 ms	13 ms	
Clearance/creep. dist. (control/load side)	>5.5 mm			
Inrush current	–			
<b>General</b>				
Housing material	PA 6.6 (UL 94 V-0)			
Protection class	IP 20			
Field installation	rail TS 35 (EN 60175)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Rated insulation voltage (EN 50178)	300 V			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 93.0 × 76.0 mm			
Weight (kg/piece)	0.035			
Approvals	UL, CSA, GL in preparation			
Termination	Screw terminal: solid		Push-In: solid	
	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14 fine stranded with ferrule		0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14 fine stranded with ferrule	
	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16 Stripping length: 6 mm		0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16 Stripping length: 8 mm	
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm	

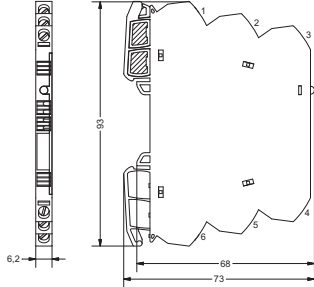
## Comments

Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

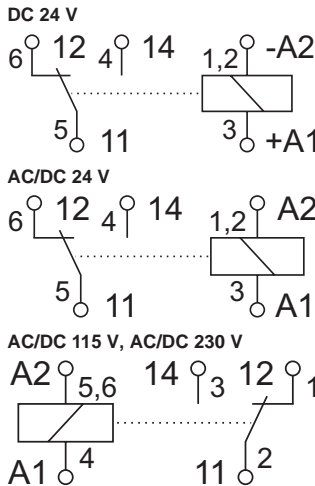
# Interface Technology - LCIS Relay Module



## Dimensions



## PIN assignment

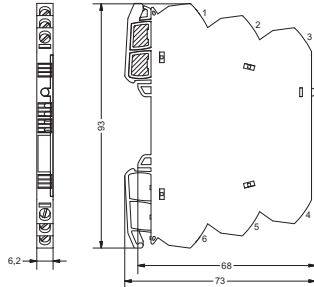


Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760020.0000	LCIS-RGA24DC-S-1U	5
	AC/DC 24 V	760021.0000	LCIS-RGA24UP-S-1U	5
	AC/DC 115 V	760051.0000	LCIS-RGA120UP-S-1U	5
	AC/DC 230 V	760061.0000	LCIS-RGA230UP-S-1U	5
<b>Push-In</b>				
Nominal voltage	DC 24 V	761020.0000	LCIS-RGA24DC-PI-1U	5
	AC/DC 24 V	761021.0000	LCIS-RGA24UP-PI-1U	5
	AC/DC 115 V	761051.0000	LCIS-RGA120UP-PI-1U	5
	AC/DC 230 V	761061.0000	LCIS-RGA230UP-PI-1U	5
<b>Input</b>				
	<b>DC 24 V</b>	<b>AC/DC 24 V</b>	<b>AC/DC 115 V</b>	<b>AC/DC 230 V</b>
Input voltage range	19.2 – 30.0 V		92.0 – 126.5 V	184.0 – 253.0 V
Rated current	11.0 mA	13.0 mA	7.0 mA	3.5 mA
Interrupting voltage	< 2.4 V		<11 V	<23 V
Protection device	Reverse- / over-load diode		-	
Max. length of connecting lead	DC 1000 m / AC 500 m			
Status Indication	LED green		-	
Rated frequency	-			
<b>Output</b>				
Contact type	1 change over contact			
Min. switching voltage	AC/DC 17 V			
Max. switching voltage	AC/DC 250 V			
Min. switching current	AC/DC 5 mA			
Max. switching current	AC/DC 6 A			
Switching capacity AC 15	3 A			
Switching capacity DC 13	at 24 V: 1 A, at 125 V: 200 mA, at 250 V: 100 mA			
Max. switching capacity	1500 VA			
Contact material	AgSnO <sub>2</sub>			
Mechanical service life	> 5 × 10 <sup>7</sup> operations			
Switch-on delay	5 ms		10 ms	
Switch-off delay	4 ms	10 ms		15 ms
Clearance/creep. dist. (control/load side)	>5.5 mm			
<b>General</b>				
Housing material	PA 6.6 (UL 94 V-0)			
Protection class	IP 20			
Field installation	rail TS 35 (EN 60175)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Rated insulation voltage (EN 50178)	300 V			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm			
Weight (kg/piece)	0.035			
Approvals	UL, CSA, GL in preparation			
Termination	Screw terminal: solid		Push-In: solid	
	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14		0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	
	fine stranded with ferrule		fine stranded with ferrule	
	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16		0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	
	Stripping length: 6 mm		Stripping length: 8 mm	
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm	

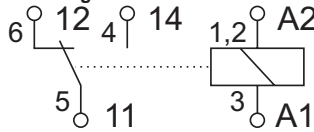
# Interface Technology - LCIS Relay Module



## Dimensions



## PIN assignment



Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760020.0010	LCIS-RGA24DC-S-1U-HTV	5
	AC/DC 24 V	760021.0010	LCIS-RGA24UP-S-1U-HTV	5
	AC/DC 115 V	760051.0010	LCIS-RGA120UP-S-1U-HTV	5
	AC/DC 230 V	760061.0010	LCIS-RGA230UP-S-1U-HTV	5
<b>Push-In</b>				
Nominal voltage	DC 24 V	761020.0010	LCIS-RGA24DC-PI-1U-HTV	5
	AC/DC 24 V	761021.0010	LCIS-RGA24UP-PI-1U-HTV	5
	AC/DC 115 V	761051.0010	LCIS-RGA120UP-PI-1U-HTV	5
	AC/DC 230 V	761061.0010	LCIS-RGA230UP-PI-1U-HTV	5
<b>Input</b>				
	<b>DC 24 V</b>	<b>AC/DC 24 V</b>	<b>AC/DC 115 V</b>	<b>AC/DC 230 V</b>
Input voltage range	19.2 – 30.0 V		92.0 – 126.5 V	184.0 – 253.0 V
Rated current	11.0 mA	13.0 mA	7.0 mA	3.5 mA
Interrupting voltage	< 2.4 V		< 11 V	< 23 V
Protection device	Bridge rectifier			
Max. length of connecting lead	DC 1000 m / AC 500 m			
Status Indication	LED green			
Rated frequency	50–60 Hz			
<b>Output</b>				
Contact type	1 change over contact			
Min. switching voltage	AC/DC 1 V			
Max. switching voltage	AC/DC 250 V			
Min. switching current	AC/DC 1 mA			
Max. switching current	AC/DC 6 A			
Switching capacity AC 15	3 A			
Switching capacity DC 13	at 24 V: 1 A, at 125 V: 200 mA, at 250 V: 100 mA			
Max. switching capacity	1500 VA			
Contact material	AgSnO <sub>2</sub> + 5 µm HV			
Mechanical service life	> 5 × 10 <sup>7</sup> operations			
Switch-on delay	5 ms			appr. 10 ms
Switch-off delay	10 ms			appr. 15 ms
Clearance/creep. dist. (control/load side)	> 5.5 mm			
Inrush current	16 A, 4 ms			
<b>General</b>				
Housing material	PA 6.6 (UL 94 V-0)			
Protection class	IP 20			
Field installation	rail TS 35 (EN 60175)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Rated insulation voltage (EN 50178)	300 V			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm			
Weight (kg/piece)	0.025			
Approvals	UL, CSA, GL in preparation			
Termination	Screw terminal: solid		Push-In: solid	
	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	fine stranded with ferrule	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	fine stranded with ferrule
	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	Stripping length: 6 mm	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	Stripping length: 8 mm
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm	

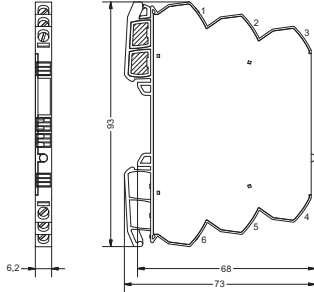
## Comments

Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.

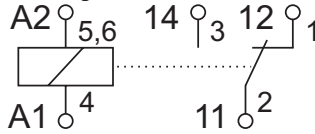
# Interface Technology - LCIS Relay Module



## Dimensions



## PIN assignment

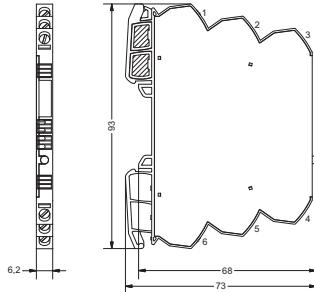


Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760023.0000	LCIS-RGE24DC-S-1U	5
	AC/DC 24 V	760024.0000	LCIS-RGE24UP-S-1U	5
	AC/DC 115 V	760054.0000	LCIS-RGE120UP-S-1U	5
	AC/DC 230 V	760064.0000	LCIS-RGE230UP-S-1U	5
<b>Push-In</b>				
Nominal voltage	DC 24 V	761023.0000	LCIS-RGE24DC-PI-1U	5
	AC/DC 24 V	761024.0000	LCIS-RGE24UP-PI-1U	5
	AC/DC 115 V	761054.0000	LCIS-RGE120UP-PI-1U	5
	AC/DC 230 V	761064.0000	LCIS-RGE230UP-PI-1U	5
<b>Input</b>				
	<b>DC 24 V</b>	<b>AC/DC 24 V</b>	<b>AC/DC 115 V</b>	<b>AC/DC 230 V</b>
Input voltage range	19.2 – 30.0 V		92.0 – 126.5 V	184.0 – 253.0 V
Rated current	11.0 mA	13.0 mA	7.0 mA	3.5 mA
Interrupting voltage	< 2.4 V		<11 V	<23 V
Protection device	Reverse- / over-load diode		-	
Max. length of connecting lead	DC 1000 m / AC 500 m			
Status Indication	LED green		-	
Rated frequency	-		LED green	
<b>Output</b>				
Contact type	1 change over contact			
Min. switching voltage	AC/DC 17 V			
Max. switching voltage	AC/DC 250 V			
Min. switching current	AC/DC 5 mA			
Max. switching current	AC/DC 6 A			
Switching capacity AC 15	3 A			
Switching capacity DC 13	at 24 V: 1 A, at 125 V: 200 mA, at 250 V: 100 mA			
Max. switching capacity	1500 VA			
Contact material	AgSnO <sub>2</sub>			
Mechanical service life	> 5 × 10 <sup>7</sup> operations			
Switch-on delay	5 ms		10 ms	
Switch-off delay	4 ms	10 ms	15 ms	
Clearance/creep. dist. (control/load side)	>5.5 mm			
<b>General</b>				
Housing material	PA 6.6 (UL 94 V-0)			
Protection class	IP 20			
Field installation	rail TS 35 (EN 60175)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Rated insulation voltage (EN 50178)	300 V			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm			
Weight (kg/piece)	0.035			
Approvals	UL, CSA, GL in preparation			
Termination	Screw terminal: solid		Push-In: solid	
	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14		0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	
	fine stranded with ferrule		fine stranded with ferrule	
	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16		0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	
	Stripping length: 6 mm		Stripping length: 8 mm	
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm	

# Interface Technology - LCIS Relay Module

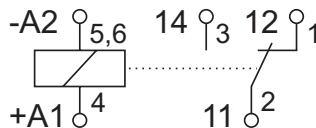


## Dimensions

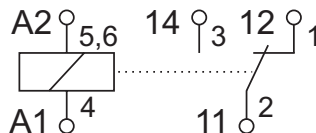


## PIN assignment

### DC 24 V



### AC/DC 24 V, AC/DC 115 V, AC/DC 230 V



Description	Part-No.	Type	PU	
<b>Screw terminal</b>				
Nominal voltage	DC 24 V	760023.0010	LCIS-RGE24DC-S-1U-HTV	5
	AC/DC 24 V	760024.0010	LCIS-RGE24UP-S-1U-HTV	5
	AC/DC 115 V	760054.0010	LCIS-RGE120UP-S-1U-HTV	5
	AC/DC 230 V	760064.0010	LCIS-RGE230UP-S-1U-HTV	5
<b>Push-In</b>				
Nominal voltage	DC 24 V	761023.0010	LCIS-RGE24DC-PI-1U-HTV	5
	AC/DC 24 V	761024.0010	LCIS-RGE24UP-PI-1U-HTV	5
	AC/DC 115 V	761054.0010	LCIS-RGE120UP-PI-1U-HTV	5
	AC/DC 230 V	761064.0010	LCIS-RGE230UP-PI-1U-HTV	5
<b>Input</b>				
	<b>DC 24 V</b>	<b>AC/DC 24 V</b>	<b>AC/DC 115 V</b>	<b>AC/DC 230 V</b>
Input voltage range	19.2 – 30.0 V		92.0 – 126.5 V	184.0 – 253.0 V
Rated current	11.0 mA	13.0 mA	7.0 mA	3.5 mA
Interrupting voltage	< 2.4 V		< 11 V	< 23 V
Protection device	Bridge rectifier			
Max. length of connecting lead	DC 1000 m / AC 500 m			
Status Indication	LED green			
Rated frequency	50–60 Hz			
<b>Output</b>				
Contact type	1 change over contact			
Min. switching voltage	AC/DC 1 V			
Max. switching voltage	AC/DC 250 V			
Min. switching current	AC/DC 1 mA			
Max. switching current	AC/DC 6 A			
Switching capacity AC 15	3 A			
Switching capacity DC 13	at 24 V: 1 A, at 125 V: 200 mA, at 250 V: 100 mA			
Max. switching capacity	1500 VA			
Contact material	AgSnO <sub>2</sub> + 5 µm HV			
Mechanical service life	> 5 × 10 <sup>7</sup> operations			
Switch-on delay	5 ms			appr. 10 ms
Switch-off delay	10 ms			appr. 15 ms
Clearance/creep. dist. (control/load side)	> 5.5 mm			
Inrush current	16 A, 4 ms			
<b>General</b>				
Housing material	PA 6.6 (UL 94 V-0)			
Protection class	IP 20			
Field installation	rail TS 35 (EN 60175)			
Insulation voltage input/output	4.0 kV <sub>eff</sub>			
Rated insulation voltage (EN 50178)	300 V			
Safe isolation	yes			
Operation temperature range	-25 °C – 60 °C			
Storage temperature range	-40 °C – 80 °C			
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm			
Weight (kg/piece)	0.025			
Approvals	UL, CSA, GL in preparation			
Termination	Screw terminal: solid		Push-In: solid	
	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	fine stranded with ferrule	0.25 – 2.5 mm <sup>2</sup> / AWG 20 – 14	fine stranded with ferrule
	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	Stripping length: 6 mm	0.25 – 1.5 mm <sup>2</sup> / AWG 20 – 16	Stripping length: 8 mm
	Screw driver: 3.5 x 0.5 mm		Screw driver: 3.5 x 0.5 mm	

## Comments

Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.