Relay
sockets

BREMAS

A complete range

Bremas relay sockets range includes DIN rail sockets, plug-in input/interference suppression modules, securing springs, and the matching marking labels.

The modules are largely compatible with the usual standards on the market and have the major international approvals.

Easy, fast and flexible wiring is guaranteed by different options for cable management and connections: besides the screw connection method, relay sockets with the spring-cage connection are also available for PCB relays with one or two PDT contacts and for industrial relays with two or four PDT contacts.

Double spring-cage connections guarantee easy operations for bridging of different contacts. Sockets with coil terminals and contact terminals on different sides to keep supply and signal wires separated are also available.

Socket for octal and undecal relays

Series ES8÷12

Sockets for octal relays with 2 PDT contacts and for undecal relays with 3 PDT contacts. This family is characterized by large cross section terminals arranged on one level for good accessibility.

Socket for industrial relays

Series ES15

Sockets for plug-in industrial relays with 2, 3 or 4 PDT contacts. These sockets are also available with the spring-cage connection method for 2 or 4 PDT versions. Besides traditional 2/2-level sockets there is also a choice of modern "logical" 1/3-level versions with fully opposite coil and contact connections.
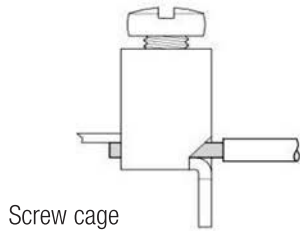
Socket for PCB relays

Series ES25÷50 and EC25÷50

Narrow 16 mm sockets for PCB relays with one or two contacts. The spring-cage connection technology is available for socket relays with 5 mm pinning for DIN rails. Two options for terminals arrangement: 2/2-level and modern "logical" 1/3-level versions.
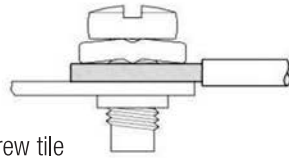
Slim socket for miniature relays

Series ES62

Ultra slim 6,2 mm sockets for miniature relays, available versions with input voltage from 12 to 230 V AC/DC.
All these sockets are available with screw and spring-cage connection methods.
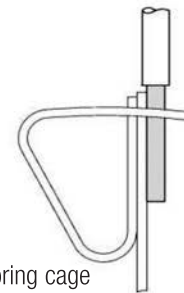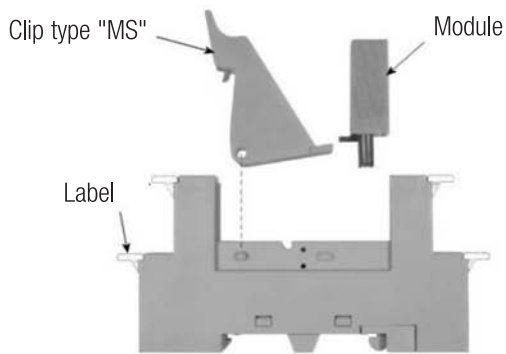
Wire locking systems

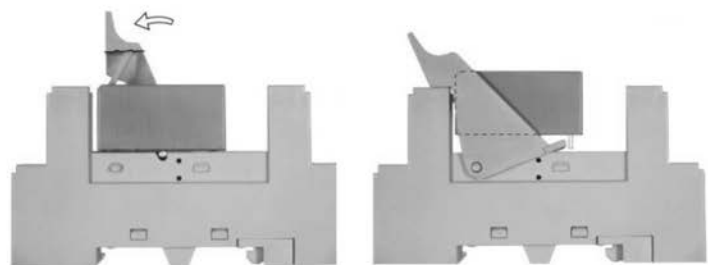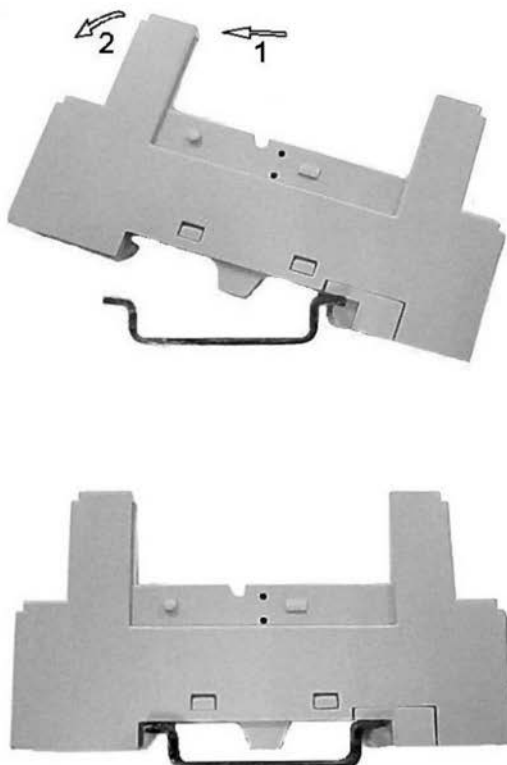

Screw cage

Screw tile

Spring cage
(screwless)

Accessories assembling layout

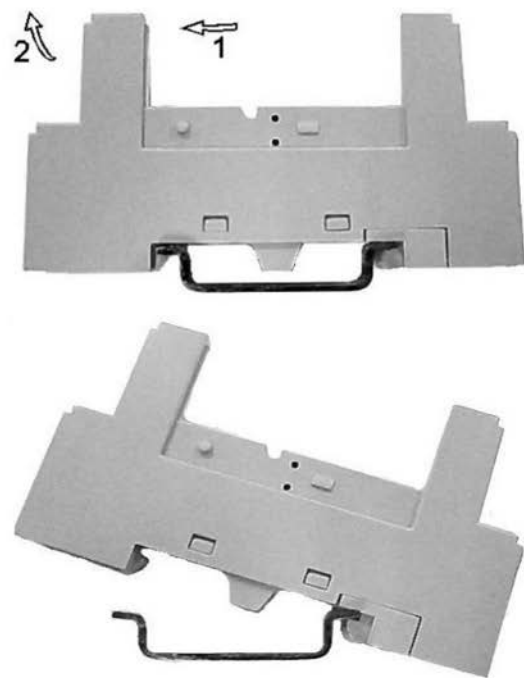Clip type "MS"

Module

Label

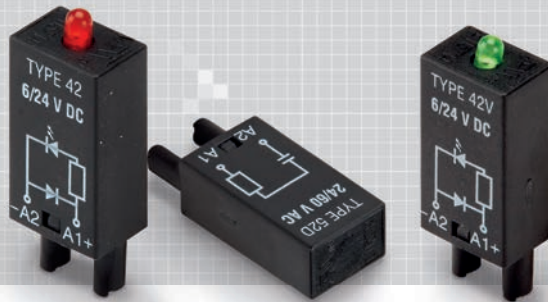## Relay fixed with "MS" spring disassembling layout

Relay socket assembling layout

Relay socket disassembling layout

Modules with protection against polarity inversion

▌**Model type 22**
TYPE22 - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with damping diode

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**6/230 VDC**

circuit diagram

- A2

+ A1

dimension

23
I2.7   8.8

▌**Model type 42**
TYPE42 - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S - ES-50/3G
with damping diode and red LED.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**6/24 VDC**

▌**Model type 42V**
TYPE42V - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S - ES-50/3G
with damping diode and green LED.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**6/24 VDC**

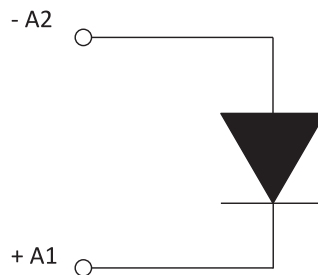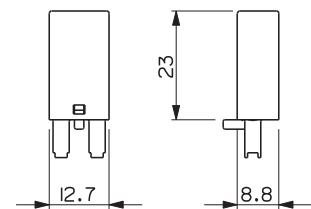▌**Model type 42B**
TYPE42B - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S - ES-50/3G
with damping diode and red LED.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**24/60 VDC**

circuit diagram

▌**Model type 42BV**
TYPE42BV - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S – ES-50/3G
with damping diode and green LED.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**24/60 VDC**

dimension

- A2

+ A1

28
23
I2.7   8.8

Modules with RC Circuit

▌Model type 52C
TYPE52C - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with RC circuit.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**110/230 VAC**

circuit diagram   dimension

A2

A1

23

I2.7   8.8

Modules with signaling circuits

▌Model type 62
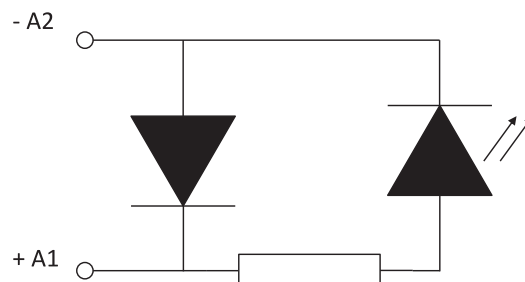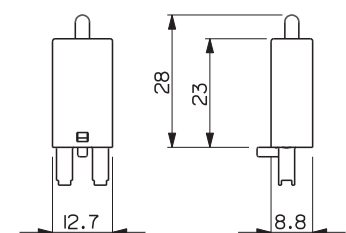**TYPE62** - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**6/24 VAC\VDC**

▌Model type 62V
TYPE62V - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with green LED and
without protections against
polarity inversion.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**6/24 VAC\VDC**

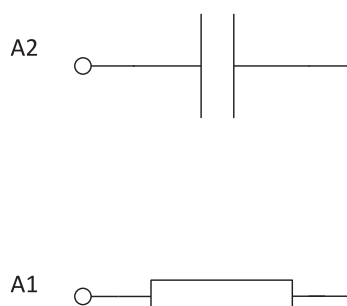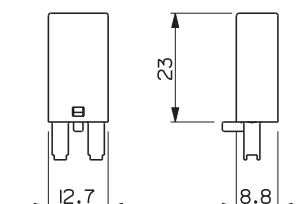## ▌Model type 62B
TYPE62B - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**24/60 VDC**

▌Model type 62E
TYPE62E - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**24/60 VAC\VDC**

▌Model type 92
TYPE92 - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**110/230VAC\VDC**

▌Model type 92V
TYPE92V - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with green LED and
without protections against
polarity inversion.

Electrical data	
Polarity	**A1+ / A2-**
Input voltage	**110/230 VAC\VDC**

circuit diagram   dimension

- A2

+ A1

23

I2.7   8.8

Modules with signaling circuits and varistor

▌ Model type 62C
TYPE62C - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and red LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	6/24 VAC\VDC

▌ Model type 62CV
TYPE62CV - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and green LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	6/24 VAC\VDC

▌ Model type 62DV
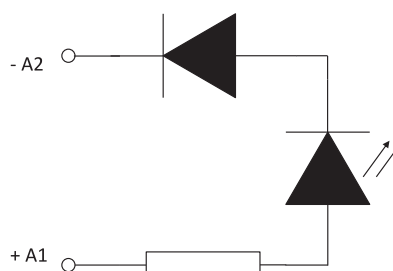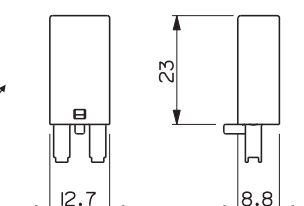**TYPE62DV** - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and green LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	24/60 VAC\VDC

▌ Model type 92C
TYPE92C - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and red LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	110/230 VAC\VDC

▌ Model type 92CV
TYPE92CV - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and green LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	110/230 VAC\VDC

circuit diagram

dimension

Modules with varistor

▌ Model type 72
TYPE72 - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor.

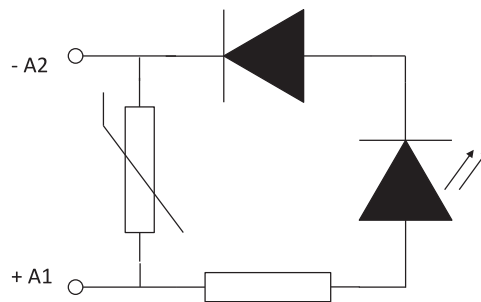| Electrical data	
Polarity	A1+ / A2-
Input voltage	24 VAC

▌ Model type 82V
TYPE82V - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor.

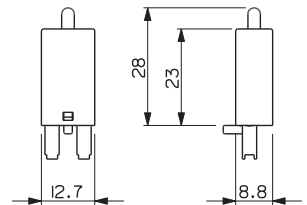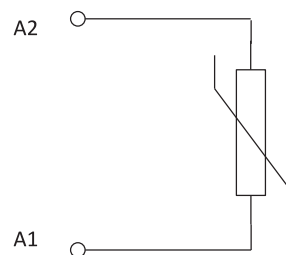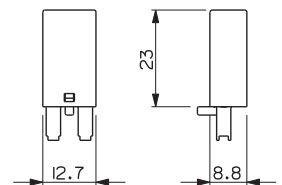| Electrical data	
Polarity	A1+ / A2-
Input voltage	230 VAC

circuit diagram

dimension

Sockets
for PCB relays

▌Socket model ES 25
ES25CNER - Pack. 10/240 pcs

Relay socket Model ES 25, for miniature power relay, miniature switching relay or solid-state relay with 1 PDT and 2,5 mm pinning, 2/2 level design, screw connections, connection facility for input interference suppression modules.

Rated current / Rated voltage	12 A / 300 VAC (CSA)
	10 A / 300 VAC (UL)
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	min. 0,5 mm²
Conductor cross section solid and stranded	max. 2,5 mm²
Conductor cross section AWG	min. 20
Conductor cross section AWG	max 14
Stripping length	7 mm
Screw thread	M3

General data	
Width	15,6 mm
Height	75,5 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model TR
TR - Pack. 10/1000 pcs

Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

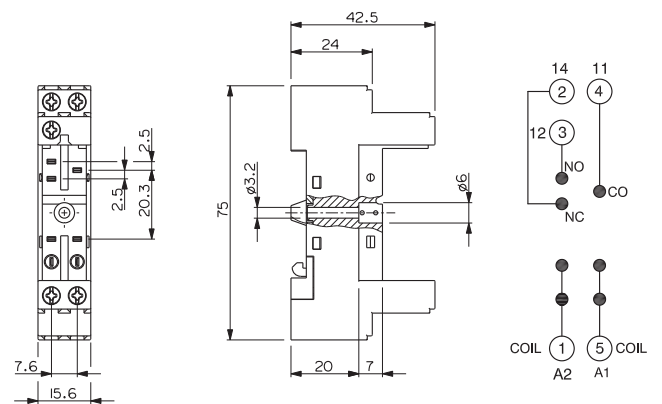ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Socket model ES 32
ES32CNER - Pack. 10/240 pcs

Relay socket Model ES 32, for miniature power relay, miniature switching relay or solid-state relay with 1 PDT and 3,2 mm pinning, 2/2 level design, screw connections, connection facility for input interference suppression modules.

Rated current / Rated voltage	**12 A / 300 VAC (CSA)**
	10 A / 300 VAC (UL)
Dielectric strength adjacent contact circuits	**2500V**
Dielectric strength coil contact circuits	**2500V**

Connection data	
Conductor cross section solid and stranded	**min. 0,5 mm²**
Conductor cross section solid and stranded	**max. 2,5 mm²**
Conductor cross section AWG	**min. 20**
Conductor cross section AWG	**max 14**
Stripping length	**7 mm**
Screw thread	**M3**

General data	
Width	**15,6 mm**
Height	**75,5 mm**
Color	**Black**
Ambient temperature (operation)	**-25 °C ... 85 °C**

Accessories

▌Model TR
TR - Pack. 10/1000 pcs

Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

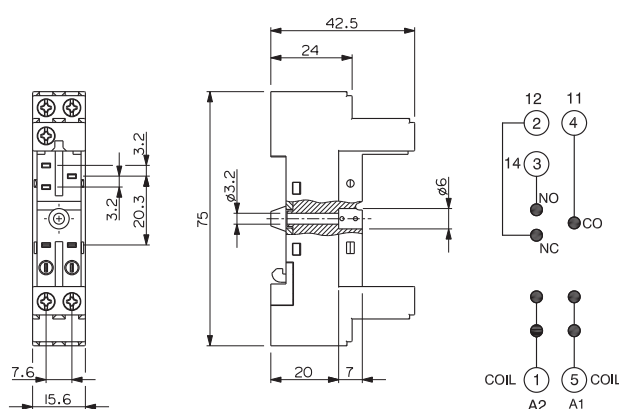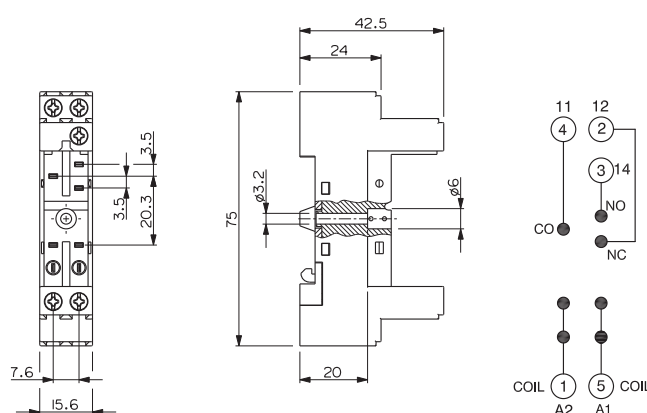ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Socket model ES 35
ES35CNER - Pack. 10/240 pcs

Relay socket Model ES 35, for miniature power relay or miniature switching relay or solid-state relay with 1 PDT and 3,5 mm pinning, 2/2 level design, screw connections, connection facility for input interference suppression modules.

Rated current / Rated voltage	12 A / 300 VAC (CSA)
	10 A / 300 VAC (UL)
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	min. 0,5 mm²
Conductor cross section solid and stranded	max. 2,5 mm²
Conductor cross section AWG	min. 20
Conductor cross section AWG	max 14
Stripping length	7 mm
Screw thread	M3

General data	
Width	15,6 mm
Height	75,5 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model TR
TR - Pack. 10/1000 pcs
Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs
Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 15,5-16,5 mm
Supported sockets:
ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs
Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 15,5-16,5 mm
Supported sockets:
ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs
Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets:
ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

Standard article

▌Socket model ES 35/3S
ES353SCNER - Pack. 10/240 pcs

Relay socket Model ES 35/3 S, for miniature power relay or miniature switching relay or solid-state relay with 1 PDT and 3,5 mm pinning, 1/3 level design, screw connections, connection facility for input interference suppression modules.
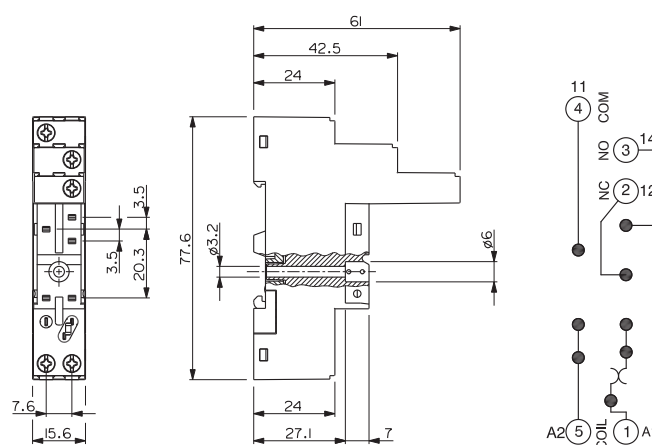
Rated voltage	300 VAC
Rated current	12 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data

Conductor cross section solid and stranded	min. 0,5 mm²
Conductor cross section solid and stranded	max. 2,5 mm²
Conductor cross section AWG	min. 20
Conductor cross section AWG	max 14
Stripping length	7 mm
Screw thread	M3

General data

Width	15,6 mm
Height	77,6 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model TR
TR - Pack. 10/1000 pcs

Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Socket model ES 50

ES50CNER - Pack. 10/240 pcs

Relay socket Model ES 50, for miniature power relay or miniature switching relay or solid-state relay with 1 or 2 PDT and 5 mm pinning , 2/2 level design, screw connections, connection facility for input interference suppression modules.
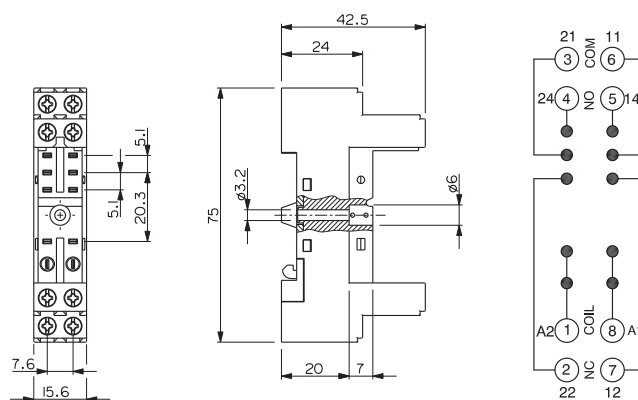
Rated current / Rated voltage	12 A / 300 V (CSA)
	10 A / 300 V (UL)
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	min. 0,5 mm²
Conductor cross section solid and stranded	max. 2,5 mm²
Conductor cross section AWG	min. 20
Conductor cross section AWG	max 14
Stripping length	7 mm
Screw thread	M3

General data	
Width	15,6 mm
Height	75,5 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model TR
TR - Pack. 10/1000 pcs

Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

Standard article

▌Socket model ES 50/3
ES503CNER - Pack. 10/240 pcs

Relay socket Model ES 50/3, for miniature power relay or miniature switching relay or solid-state relay with 2 PDT and 5 mm pinning, safety isolation among coil contacts and power contacts, 1/3 level design, screw connections, connection facility for input interference suppression modules.
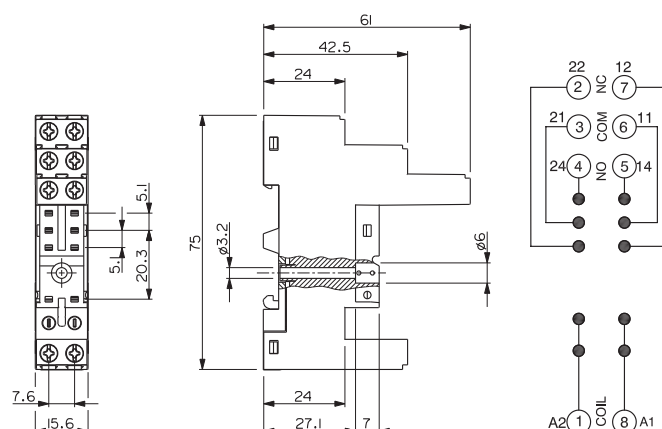
Rated voltage	300 VAC
Rated current	12 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	min. 0,5 mm²
Conductor cross section solid and stranded	max. 2,5 mm²
Conductor cross section AWG	min. 20
Conductor cross section AWG	max 14
Stripping length	7 mm
Screw thread	M3

General data	
Width	15,6 mm
Height	75,6 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model TR
TR - Pack. 10/1000 pcs
Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs
Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs
Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs
Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

Standard article

▍**Socket model ES 50/3S**
ES503SCNER - Pack. 10/240 pcs

Relay socket Model ES 50/3 S, for miniature power relay or miniature switching relay or solid-state relay with 2 PDT and 5 mm pinning, 1/3 level design, screw connections, connection facility for input interference suppression modules.
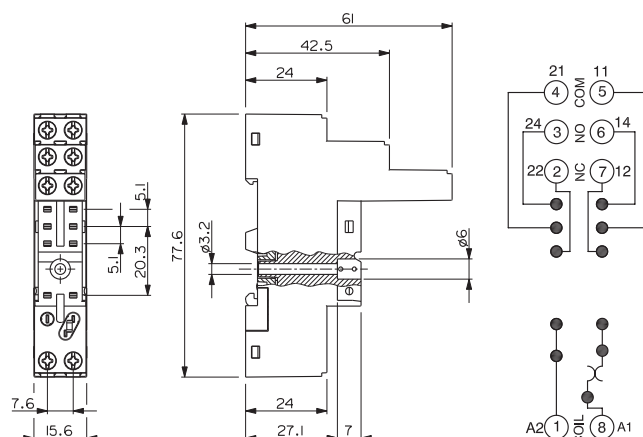
Rated voltage	300 VAC
Rated current	12 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Dati sulle connessioni	
Sezione conduttori rigidi e flessibili	min. 0,5 mm²
Sezione conduttori rigidi e flessibili	max. 2,5 mm²
Sezione conduttori AWG	min. 20
Sezione conduttori AWG	max 14
Lunghezza di spelatura	7 mm
Tipo vite	M3

General data	
Width	15,6 mm
Height	77,6 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▍**Model TR**
TR - Pack. 10/1000 pcs

Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▍**Model MS 16**
MS16 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▍**Model MS 16 C**
MS16C - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▍**Model MS 25**
MS25 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Socket model ES 50/3G
ES503GCNER - Pack. 10/240 pcs

Relay socket Model ES 50/3 G, for miniature power relay or miniature switching relay with or solid-state relay, 2 PDT and 5 mm pinning, 1/3 level design, spring-cage connections, connection facility for input interference suppression modules.
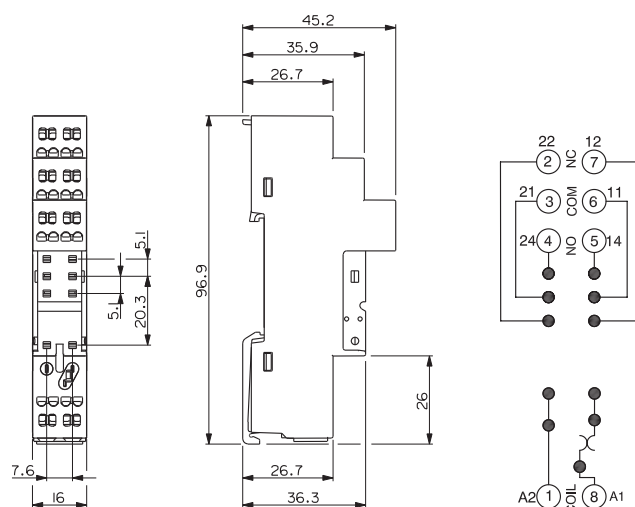
Rated voltage	**300 VAC**
Rated current	**10 A**
Dielectric strength adjacent contact circuits	**2500V**
Dielectric strength coil contact circuits	**2500V**

Connection data	
Conductor cross section solid and stranded	**min. 0,2 mm²**
	two wires for terminal
Conductor cross section solid and stranded	**max. 1,5 mm²**
	two wires for terminal
Conductor cross section AWG	**min. 20**
Conductor cross section AWG	**max 16**
Stripping length	**11 mm**

General data	
Width	**16 mm**
Height	**97 mm**
Color	**Black**
Ambient temperature (operation)	**-25 °C ... 85 °C**

Accessories

▌Model TR
TR - Pack. 10/1000 pcs

Plate for ES50, ES35, ES32, ES25, ES50/3G, ES50/3S, ES35/3S, ES15/4-2B, ES15/4-2G

▌Model MS 16
MS16 - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 16 C
MS16C - Pack. 10/200 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15,5-16,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▌Model MS 25
MS25 - Pack. 10/200 pcs

Spring for relay securing and releasing

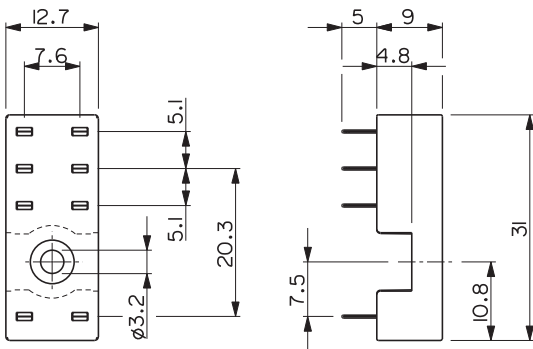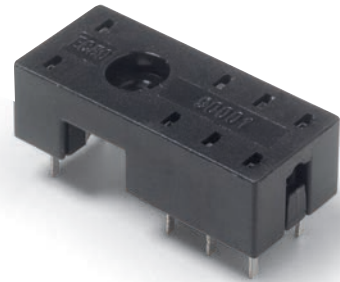Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets:

ES50-35-32-25, ES50/3, ES50/3S, ES35/3S, ES50/3G

▮ Socket model EC 50
EC50CNER - Pack. 100/500 pcs

Relay socket model EC 50, for miniature power relay or miniature switching relay with 2 PDT and 5mm pinning.

Accessories

▮ Model MP 12
MP12 - Pack. 100/2000 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets: EC 50-35-32-25

▮ Model MP 16
MP16 - Pack. 100/2000 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 15-16,5 mm
Supported sockets: EC 50-35-32-25

▮ Model MP 25
MP25 - Pack. 100/1500 pcs

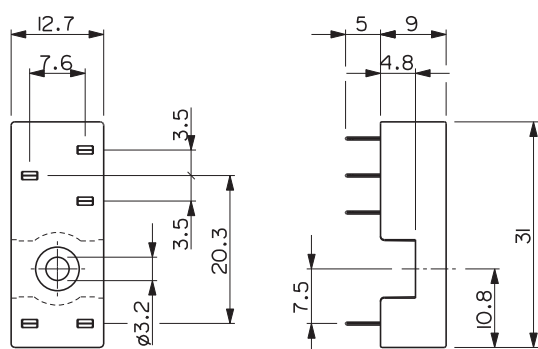Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets: EC 50-35-32-25

▮ Model MH 16
MH16 - Pack. 100/1000 pcs

Spring for relay securing
Material: X Cr Ni Steel
Relay height: 15-16,5mm
Supported sockets:
EC 50-35-32-25

▮ Model MH 25
MH25 - Pack. 100/1000 pcs

Spring for relay securing
Material: X Cr Ni Steel
Relay height: 25-25,5mm
Supported sockets:
EC 50-35-32-25

▌**Socket model EC 35**
EC35CNER - Pack. 100/500 pcs

Relay socket model EC 35, for miniature power relay or miniature switching relay with 1 PDT and 3,5mm pinning.

Accessories

▌**Model MP 12**
MP12 - Pack. 100/2000 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets: EC 50-35-32-25

▌**Model MP 16**
MP16 - Pack. 100/2000 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 15-16,5 mm
Supported sockets: EC 50-35-32-25

▌**Model MP 25**
MP25 - Pack. 100/1500 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets: EC 50-35-32-25

▌**Model MH 16**
MH16 - Pack. 100/1000 pcs

Spring for relay securing
Material: X Cr Ni Steel
Relay height: 15-16,5mm
Supported sockets:
EC 50-35-32-25

▌**Model MH 25**
MH25 - Pack. 100/1000 pcs

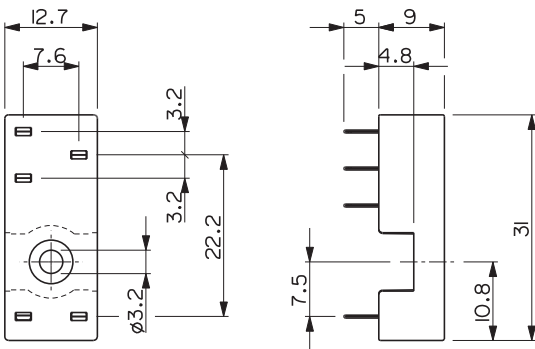Spring for relay securing
Material: X Cr Ni Steel
Relay height: 25-25,5mm
Supported sockets:
EC 50-35-32-25

▌Socket model EC 32
EC32CNER - Pack. 100/500 pcs

Relay socket model EC 32, for miniature power relay or miniature switching relay with 1 PDT and 3,2mm pinning.

Accessories

▌Model MP 12
MP12 - Pack. 100/2000 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets: EC 50-35-32-25

▌Model MP 16
MP16 - Pack. 100/2000 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 15-16,5 mm
Supported sockets: EC 50-35-32-25

▌Model MP 25
MP25 - Pack. 100/1500 pcs

Spring for relay securing and releasing
Material: Thermoplastic
Relay height: 25-25,5 mm
Supported sockets: EC 50-35-32-25

▌Model MH 16
MH16 - Pack. 100/1000 pcs

Spring for relay securing
Material: X Cr Ni Steel
Relay height: 15-16,5mm
Supported sockets:
EC 50-35-32-25

▌Model MH 25
MH25 - Pack. 100/1000 pcs

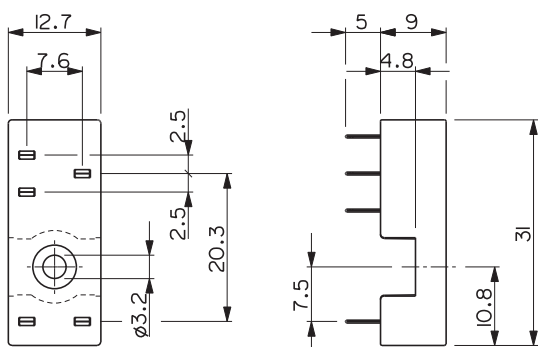Spring for relay securing
Material: X Cr Ni Steel
Relay height: 25-25,5mm
Supported sockets:
EC 50-35-32-25

▌Socket model EC 25
EC25CNER - Pack. 100/500 pcs

Relay socket model EC 25, for miniature power relay or miniature switching relay with 1 PDT and 2,5mm pinning.

Accessories

▌Model MP 12
MP12 - Pack. 100/2000 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets: EC 50-35-32-25

▌Model MP 16
MP16 - Pack. 100/2000 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 15-16,5 mm

Supported sockets: EC 50-35-32-25
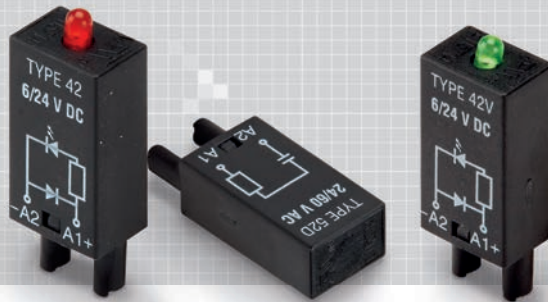
▌Model MP 25
MP25 - Pack. 100/1500 pcs

Spring for relay securing and releasing

Material: Thermoplastic

Relay height: 25-25,5 mm

Supported sockets: EC 50-35-32-25

▌Model MH 16
MH16 - Pack. 100/1000 pcs

Spring for relay securing

Material: X Cr Ni Steel

Relay height: 15-16,5mm

Supported sockets:
EC 50-35-32-25

▌Model MH 25
MH25 - Pack. 100/1000 pcs

Spring for relay securing

Material: X Cr Ni Steel

Relay height: 25-25,5mm

Supported sockets:
EC 50-35-32-25

Modules with protection against polarity inversion

▌Model type 22
TYPE22 - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with damping diode.

Electrical data

Polarity	A1+ / A2-
Input voltage	6/230 VDC

circuit diagram
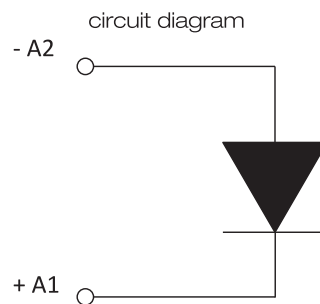
- A2

+ A1

dimension

23

I2.7   8.8

▌Model type 42
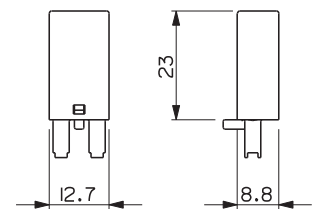**TYPE42** - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S - ES-50/3G
with damping diode and red LED.

Electrical data

Polarity	A1+ / A2-
Input voltage	6/24 VDC

▌Model type 42V
TYPE42V - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S - ES-50/3G
with damping diode and green LED.

Electrical data

Polarity	A1+ / A2-
Input voltage	6/24 VDC

▌Model type 42B
TYPE42B - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S - ES-50/3G
with damping diode and red LED.

Electrical data

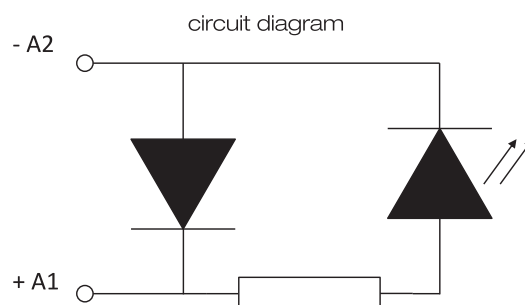|	
Polarity	A1+ / A2-
Input voltage	24/60 VDC

▌Model type 42BV
TYPE42BV - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S ES50
- ES35 - ES32 - ES25 - ES50/3 -
ES50/3S - ES35/3S – ES-50/3G
with damping diode and green LED.

Electrical data

Polarity	A1+ / A2-
Input voltage	24/60 VDC

circuit diagram

- A2

+ A1

dimension

28   23

I2.7   8.8

Modules with RC Circuit
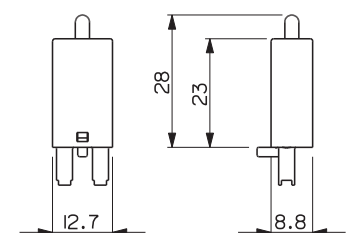
■ **Model type 52C**
TYPE52C - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with RC circuit.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**110/230 VAC**

circuit diagram

A2

A1

dimension

23

I2.7   8.8

Modules with signaling circuits

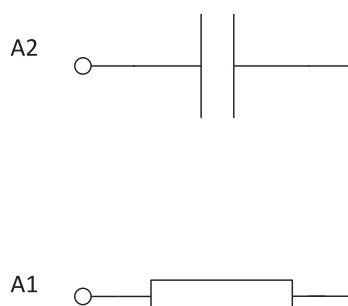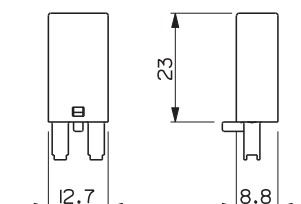■ **Model type 62**
TYPE62 - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**6/24 VAC\VDC**

■ **Model type 62V**
TYPE62V - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with green LED and
without protections against
polarity inversion.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**6/24 VAC\VDC**

■ **Model type 62B**
TYPE62B - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**24/60 VDC**

■ **Model type 62E**
TYPE62E - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**24/60 VAC\VDC**

■ **Model type 92**
TYPE92 - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with red LED and
without protections against
polarity inversion.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**110/230 VAC\VDC**

■ **Model type 92V**
TYPE92V - Pack. 10/200 pcs

Plug-in module, for mounting on
ES15/4/2B - ES15/4/2G -
ES15/4/3/2N - ES15/4/3/2S
ES50 - ES35 - ES32 - ES25 -
ES50/3 - ES50/3S - ES35/3S -
ES-50/3G with green LED and
without protections against
polarity inversion.

Electrical data

Polarity	**A1+ / A2-**
Input voltage	**110/230 VAC\VDC**

circuit diagram

- A2

+ A1

dimension

23

I2.7   8.8

Modules with signaling circuits and varistor

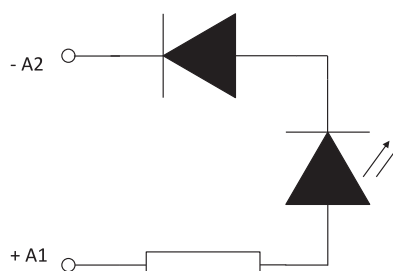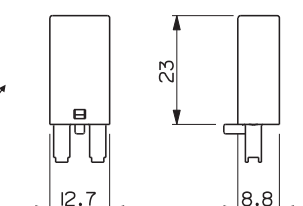## ▌ Model type 62C
TYPE62C - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and red LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	6/24 VAC\VDC

ℜ

▌ Model type 62CV
TYPE62CV - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and green LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	6/24 VAC\VDC

ℜ

▌ Model type 62DV
TYPE62DV - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and green LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	24/60 VAC\VDC

ℜ

▌ Model type 92C
TYPE92C - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and red LED.

Electrical data	
Polarity	A1+ / A2-
Input voltage	110/230 VAC\VDC

ℜ

▌ Model type 92CV
TYPE92CV - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor and green LED.
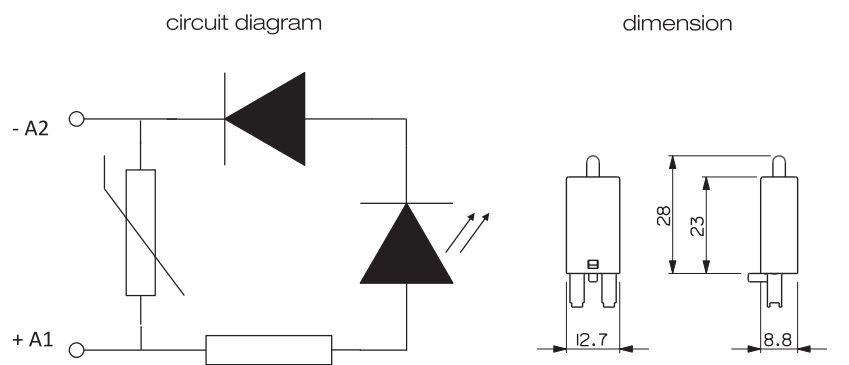
Electrical data	
Polarity	A1+ / A2-
Input voltage	110/230 VAC\VDC

ℜ

circuit diagram   dimension

- A2

+ A1

28 23

12.7   8.8

Modules with varistor

▌ Model type 72
TYPE72 - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor.

Electrical data	
Polarity	A1+ / A2-
Input voltage	24 VAC

ℜ

▌ Model type 82V
TYPE82V - Pack. 10/200 pcs

Plug-in module, for mounting on ES15/4/2B - ES15/4/2G - ES15/4/3/2N - ES15/4/3/2S ES50 - ES35 - ES32 - ES25 - ES50/3 - ES50/3S - ES35/3S - ES-50/3G with varistor.
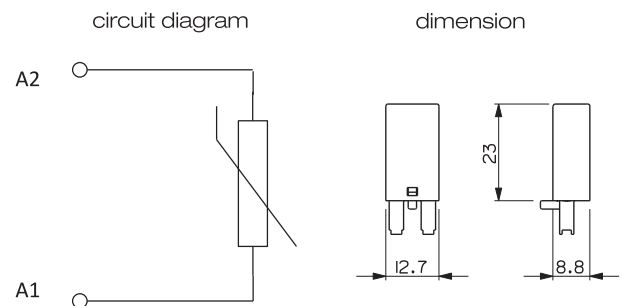
Electrical data	
Polarity	A1+ / A2-
Input voltage	230 VAC

ℜ

circuit diagram   dimension

A2

A1

23

12.7   8.8

Slim sockets for miniature relays

▮ Socket model ES 62/AS
ES62ASCNER - Pack. 10/270 pcs

Relay socket model ES 62/AS for miniature relay with protection
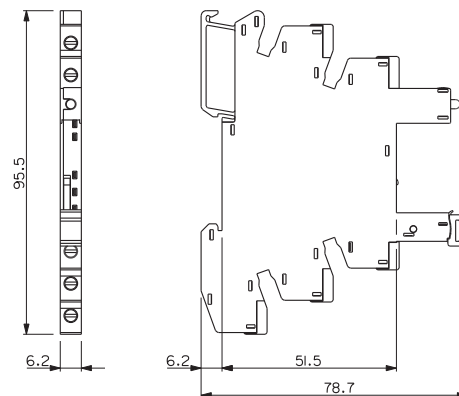and indication circuit, screw connections.

Input voltage	**12 VAC/VDC - 24 VAC/VDC**
Coil voltage	**12 VDC - 24 VDC**
Rated current	**6 A**
Dielectric strength adjacent contact circuits	**2500V**
Dielectric strength coil contact circuits	**2500V**

Connection data	
Conductor cross section solid and stranded	**max. 2,5 mm² (AWG 14)**
Stripping length	**9 mm**
Screw thread	**M 2,5**

General data	
Width	**6,2 mm**
Height	**101 mm**
Color	**Black**
Ambient temperature (operation)	**-25 °C ... 85 °C**

Accessories

▮ Model PL 64
PL64 - Pack. 2/96 pcs

Print label for ES 62 series

▮ Model BB 20
BB20 - Pack. 10/300 pcs

Bus bar 20 poles for ES 62 series

▮ Model BTF 2
BTF2 - Pack. 10/1000 pcs

Butterfly isolator for ES 62 series

Standard article

▌Socket model ES 62/BS
ES62BSCNER - Pack. 10/270 pcs

Relay socket model ES 62/BS for miniature relay with protection
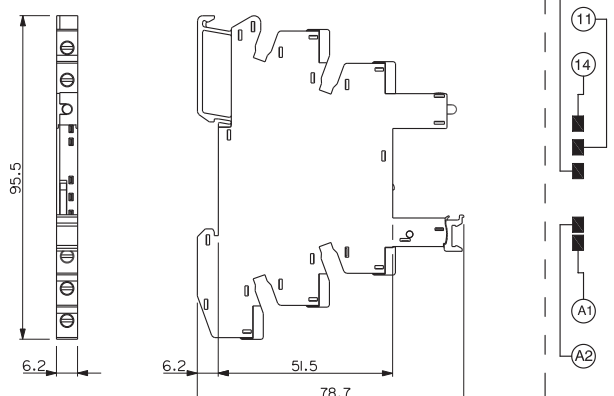and indication circuit, screw connections.

Input voltage	48 VAC/VDC - 60 VAC/VDC
Coil voltage	48 VDC - 60 VDC
Rated current	6 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	max. 2,5 mm² (AWG 14)
Stripping length	9 mm
Screw thread	M 2,5

General data	
Width	6,2 mm
Height	101 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model PL 64
PL64 - Pack. 2/96 pcs

Print label for ES 62 series

▌Model BB 20
BB20 - Pack. 10/300 pcs

Bus bar 20 poles for ES 62 series

▌Model BTF 2
BTF2 - Pack. 10/1000 pcs

Butterfly isolator for ES 62 series

▋Socket model ES 62/CS
ES62CSCNER - Pack. 10/270 pcs

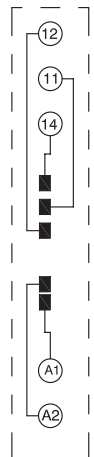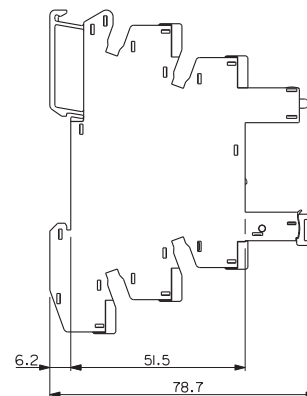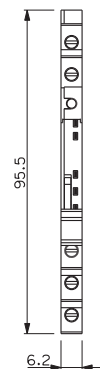Relay socket model ES 62/CS for miniature relay with protection and indication circuit, screw connections.

Input voltage	110 VAC/VDC
Coil voltage	60 VDC
Rated current	6 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data

Conductor cross section solid and stranded	max. 2,5 mm² (AWG 14)
Stripping length	9 mm
Screw thread	M 2,5

General data

Width	6,2 mm
Height	101 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▋Model PL 64
PL64 - Pack. 2/96 pcs
Print label for ES 62 series

▋Model BB 20
BB20 - Pack. 10/300 pcs
Bus bar 20 poles for ES 62 series

▋Model BTF 2
BTF2 - Pack. 10/1000 pcs
Butterfly isolator for ES 62 series

▌Socket model ES 62/DS
ES62DSCNER - Pack. 10/270 pcs

Relay socket model ES 62/DS for miniature relay with protection
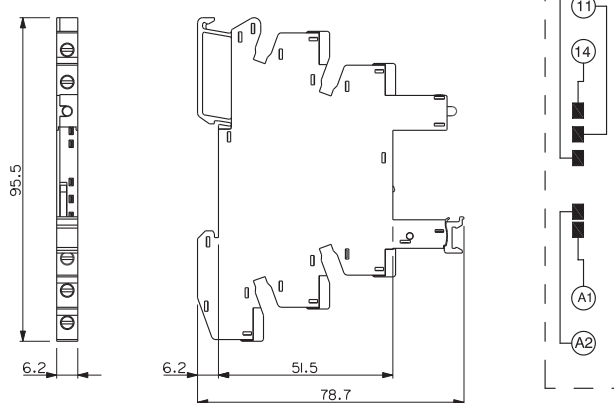and indication circuit, screw connections.

Input voltage	230 VAC/VDC
Coil voltage	60 VDC
Rated current	6 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	max. 2,5 mm² (AWG 14)
Stripping length	9 mm
Screw thread	M 2,5

General data	
Width	6,2 mm
Height	101 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model PL 64
PL64 - Pack. 2/96 pcs

Print label for ES 62 series

▌Model BB 20
BB20 - Pack. 10/300 pcs

Bus bar 20 poles for ES 62 series

▌Model BTF 2
BTF2 - Pack. 10/1000 pcs

Butterfly isolator for ES 62 series

▌Socket model ES 62/AG
ES62AGCNER - Pack. 10/270 pcs

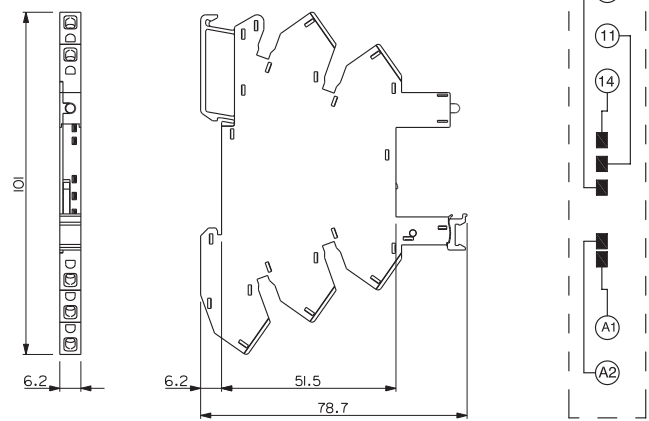Relay socket model ES 62/AG for miniature relay with protection and indication circuit, spring-cage connections.

Input voltage	**12 VAC/VDC - 24 VAC/VDC**
Coil voltage	**12 VDC - 24 VDC**
Rated current	**6 A**
Dielectric strength adjacent contact circuits	**2500V**
Dielectric strength coil contact circuits	**2500V**

Connection data	
Conductor cross section solid and stranded	**max. 1,5 mm² (AWG 16)**
Stripping length	**10 mm**
Screw thread	**M 2,5**

General data	
Width	**6,2 mm**
Height	**101 mm**
Color	**Black**
Ambient temperature (operation)	**-25 °C ... 85 °C**

Accessories

▌Model PL 64
PL64 - Pack. 2/96 pcs

Print label for ES 62 series

▌Model BB 20
BB20 - Pack. 10/300 pcs

Bus bar 20 poles for ES 62 series

▌Model BTF 2
BTF2 - Pack. 10/1000 pcs

Butterfly isolator for ES 62 series

Standard article

▌Socket model ES 62/BG
ES62BGCNER - Pack. 10/270 pcs

Relay socket model ES 62/BG for miniature relay with protection
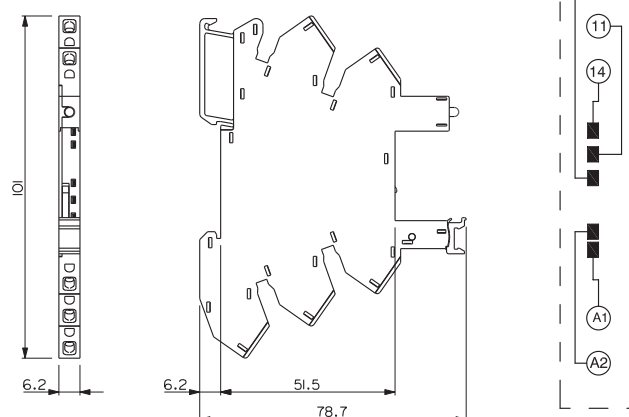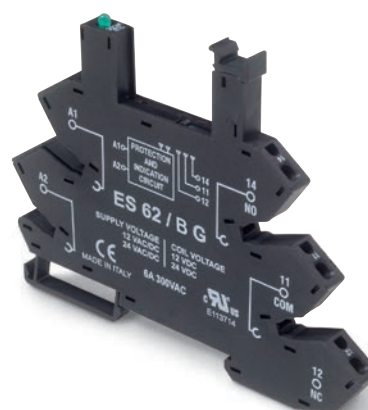and indication circuit, spring-cage connections.

Input voltage	**48 VAC/VDC - 60 VAC/VDC**
Coil voltage	**48VDC - 60VDC**
Rated current	**6 A**
Dielectric strength adjacent contact circuits	**2500V**
Dielectric strength coil contact circuits	**2500V**

Connection data	
Conductor cross section solid and stranded	**max. 1,5 mm² (AWG 16)**
Stripping length	**10 mm**

General data	
Width	**6,2 mm**
Height	**101 mm**
Color	**Black**
Ambient temperature (operation)	**-25 °C ... 85 °C**

Accessories

▌Model PL 64
PL64 - Pack. 2/96 pcs

Print label for ES 62 series

▌Model BB 20
BB20 - Pack. 10/300 pcs

Bus bar 20 poles for ES 62 series

▌Model BTF 2
BTF2 - Pack. 10/1000 pcs

Butterfly isolator for ES 62 series

▌Socket model ES 62/CG
ES62CGCNER - Pack. 10/270 pcs

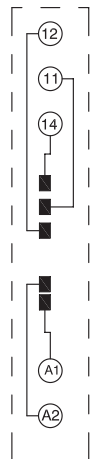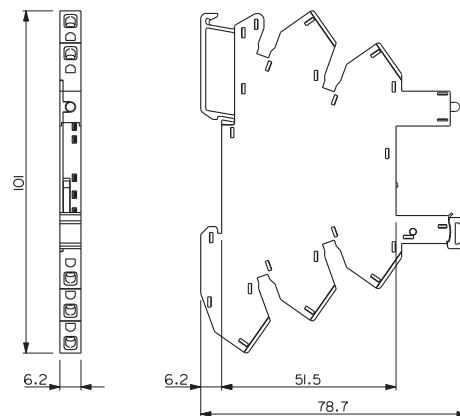Relay socket model ES 62/CG for miniature relay with protection and indication circuit, spring-cage connections

Input voltage	**110 VAC/VDC**
Coil voltage	**60 VDC**
Rated current	**6 A**
Dielectric strength adjacent contact circuits	**2500V**
Dielectric strength coil contact circuits	**2500V**

Connection data	
Conductor cross section solid and stranded	**max. 1,5 mm² (AWG 16)**
Stripping length	**10 mm**

General data	
Width	**6,2 mm**
Height	**101 mm**
Color	**Black**
Ambient temperature (operation)	**-25 °C ... 85 °C**

Accessories

▌Model PL 64
PL64 - Pack. 2/96 pcs
Print label for ES 62 series

▌Model BB 20
BB20 - Pack. 10/300 pcs
Bus bar 20 poles for ES 62 series

▌Model BTF 2
BTF2 - Pack. 10/1000 pcs
Butterfly isolator for ES 62 series

▌Socket model ES 62/DG
ES62DGCNER - Pack. 10/270 pcs

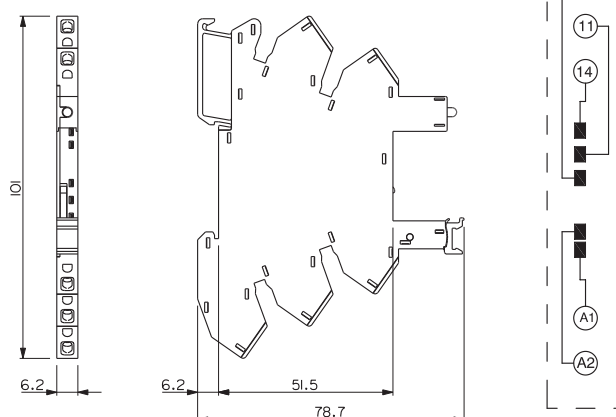Relay socket model ES 62/DG for miniature relay with protection and indication circuit, spring-cage connections.

Input voltage	230 VAC/VDC
Coil voltage	60 VDC
Rated current	6 A
Dielectric strength adjacent contact circuits	2500V
Dielectric strength coil contact circuits	2500V

Connection data	
Conductor cross section solid and stranded	max. 1,5 mm² (AWG 16)
Stripping length	10 mm

General data	
Width	6,2 mm
Height	101 mm
Color	Black
Ambient temperature (operation)	-25 °C ... 85 °C

Accessories

▌Model PL 64
PL64 - Pack. 2/96 pcs

Print label for ES 62 series

▌Model BB 20
BB20 - Pack. 10/300 pcs

Bus bar 20 poles for ES 62 series

▌Model BTF 2
BTF2 - Pack. 10/1000 pcs

Butterfly isolator for ES 62 series

Standard article