

SOCKETS



SOCKETS

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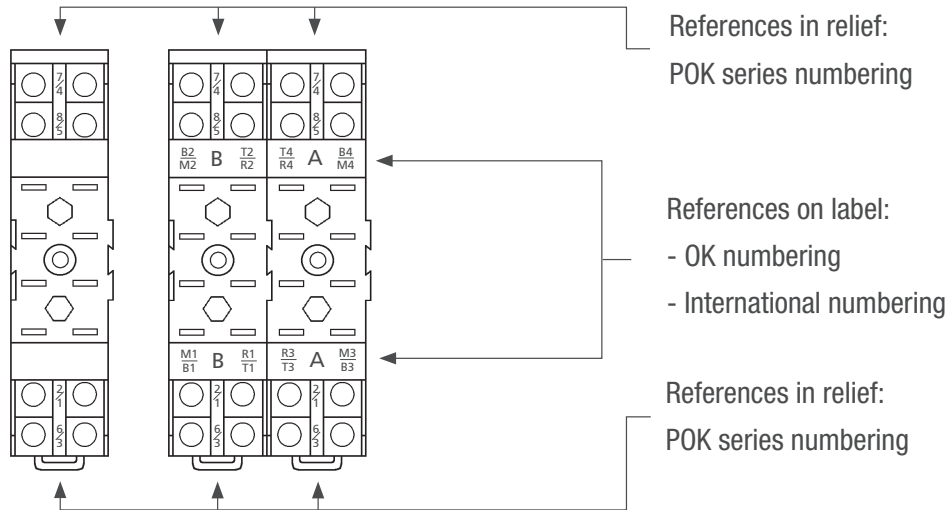
NUMBERING CORRESPONDENCE BETWEEN RELAYS AND SOCKETS

The relays in the “ENERGY” and “RAILWAY Rolling Stock” series have 2 types of numbering.

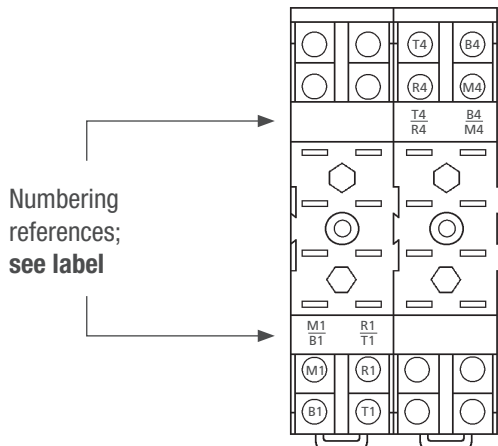
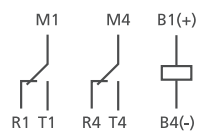
Specifications	Specifications Models	Example
OK numbering	OK, OKS, OKFC, OKSFC, OKSCd, OKSGcCd, OKUIC, TOK	
POK numbering	POK/POKS, BIPOK/BIPOKS, TRIPOK/TRIPOKS, TM, RCG, RDG, RGG	

QUADRIPOKS and ESAPOKS models are identified by international numbering.

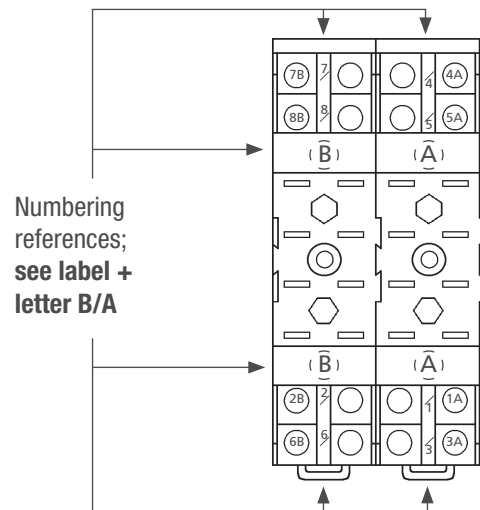
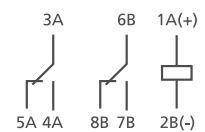
- Sockets with more than 8 terminals carry both types of numbering (with the exception of the ADF series).

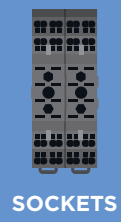


EXAMPLE OF “OK NUMBERING”



EXAMPLE OF “POK NUMBERING”





FRONT CONNECTION (WITH SPRING CLAMP)

PAIR080 | PAIR160 | PAIR240 | PAIR320 | PAIR480

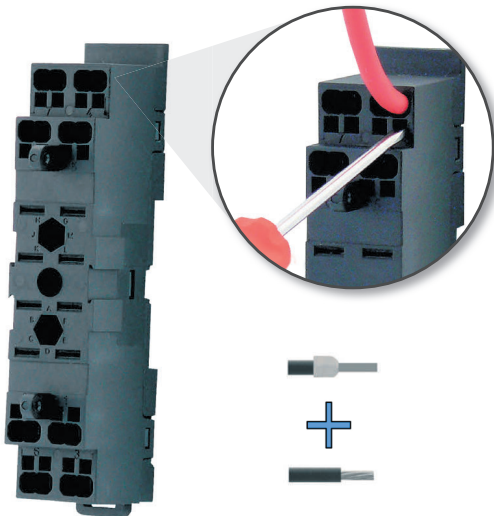
CONNECTION
FRONT

TERMINAL TYPE
SPRING CLAMP

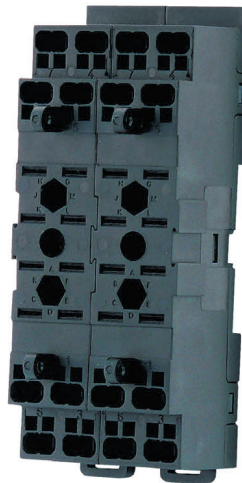
MOUNTING
PANEL / DIN RAIL

PRODUCT ADVANTAGES

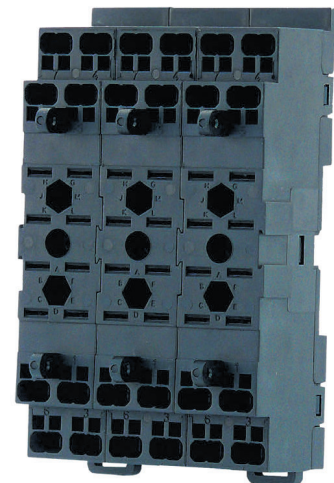
- Cable secured with spring clamp mechanism
- Insertion of lug with no need for tools
- Quick and easy wiring, saving more than half the time taken with conventional wiring
- Mounting to panel and 35 mm DIN rail
- Excellent contact pressure on relay terminals
- Sturdy construction, no internal soldering
- Compatible with cable up to 2.5 mm², bare (flexible or rigid) and with lug; 2 inputs per terminal
- Provision for fitment of keying pins
- Provision for fitment of retaining clip
- Protection IP20



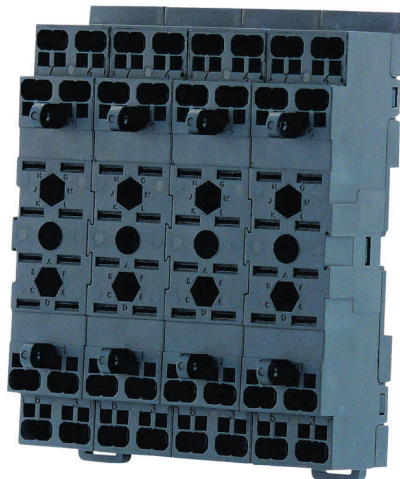
PAIR080



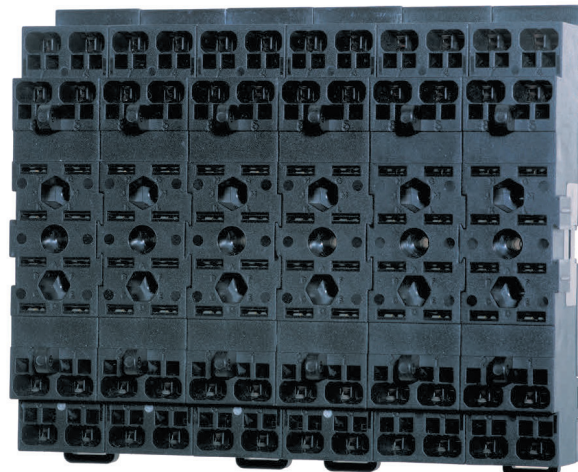
PAIR160



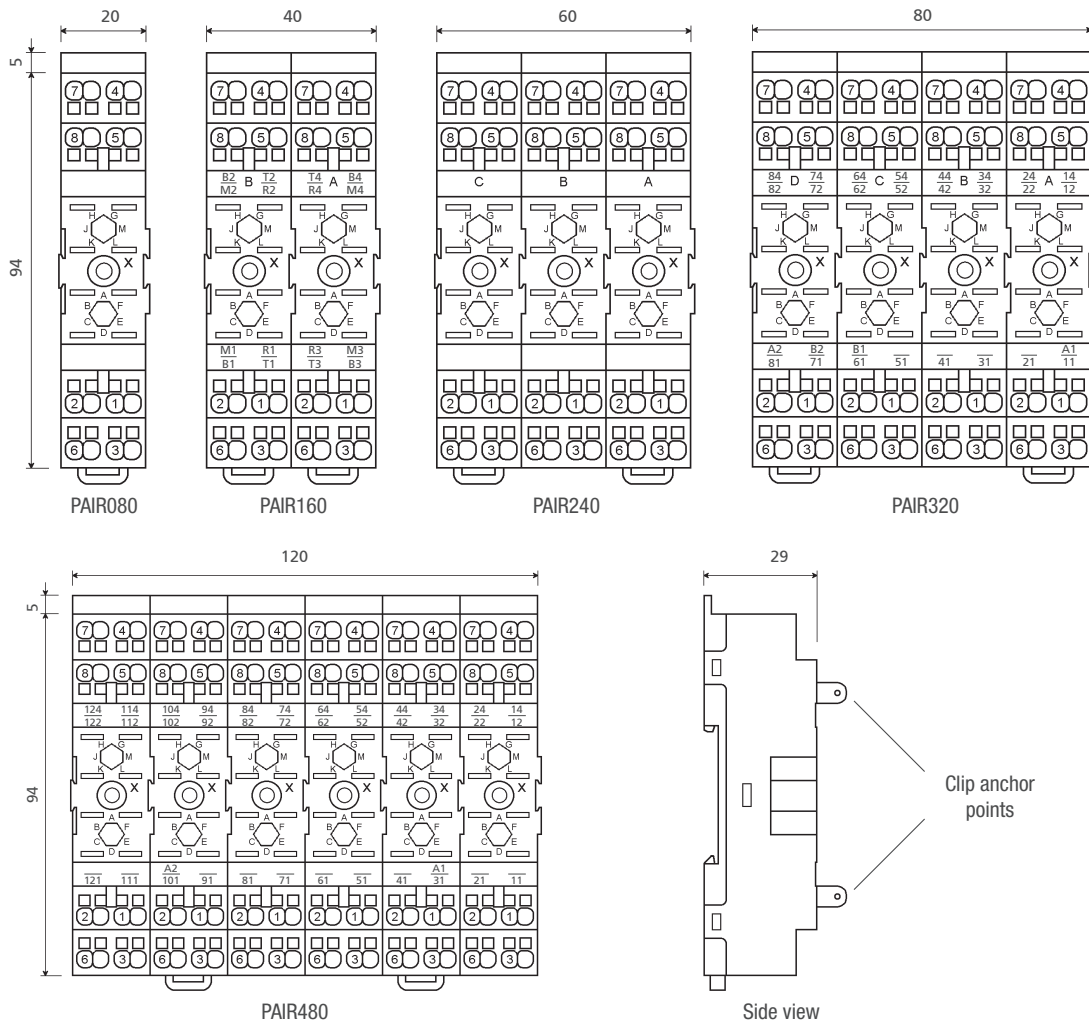
PAIR240



PAIR320



PAIR480



X = Fixing holes

SPECIFICATIONS

Weight: 62 / 124 / 186 / 248 / 370 g

Operating temperature: (-58 to 158) °F (-50 to 70) °C

Storage temperature: (-58 to 185) °F (-50 to 85) °C

Panel mounting:

- \varnothing holes: 3.2 mm
- center distance between adjacent holes: 20 mm

Mounting to Omega support: H35 to DIN 46277/3 - EN 60715 standards

Degree of protection: IP20

Dielectric strength: 2.5 kV 50 Hz 1 min

Fire resistance: EN 60695-2-1, UL94 - V0, EN 45545-2, NFPA 130

Standards: EN 60255, EN 60947, EN 61810, EN 61373

Terminal type: spring clamp

Inputs for each relay terminal: 2

Minimum section of cable:

- cable without lug: 1 mm²
- cable with lug: 0.5 mm²

Maximum section of cable: 2.5 mm²

Wire stripping length, mm: 10 mm \pm 0.5 mm

Length of lug: 12 mm

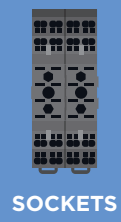
Wiring with rigid cables or lug: pressure grip

Wiring with flexible cables, extraction of cables: using screwdriver type tool with slim shaft and slotted head measuring 2.5 mm x 0.4 mm, inserted perpendicularly to the socket.



To order

PAIR080	P01 4003 55
PAIR160	P01 4003 56
PAIR240	P01 4003 57
PAIR320	P01 4003 58
PAIR480	P01 4003 64



FRONT CONNECTION (WITH SCREW)

50IP20-I DIN | 48BIP20-I DIN | 78BIP20-I DIN | 96IP20-I DIN | 156IP20-I DIN

CONNECTION
FRONT

TERMINAL TYPE
SCREW

MOUNTING
PANEL / DIN RAIL

PRODUCT ADVANTAGES

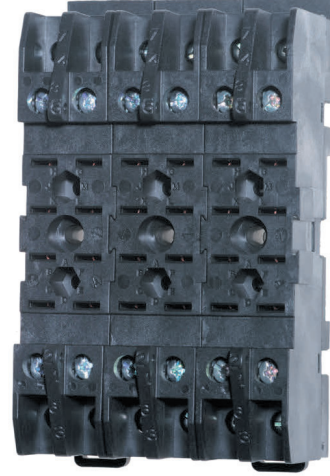
- Cable secured with screws
- Mounting to panel and 35 mm DIN rail
- Sturdy construction
- Excellent contact pressure on relay terminals
- No internal soldering
- Inputs for maximum section 2.5 mm²
- Provision for fitment of keying pins
- Provision for fitment of retaining clip
- Protection IP20



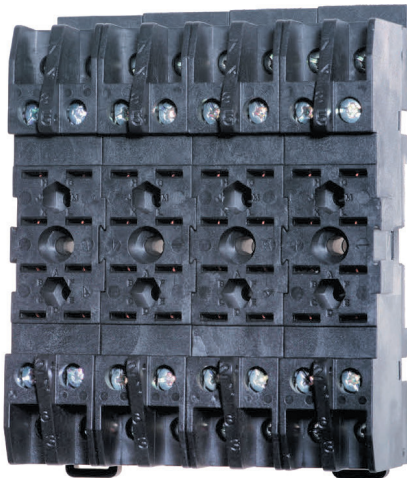
50IP20-I DIN



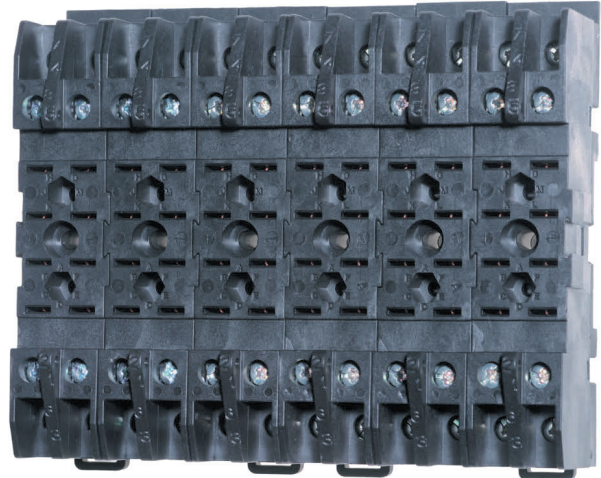
48BIP20-I DIN



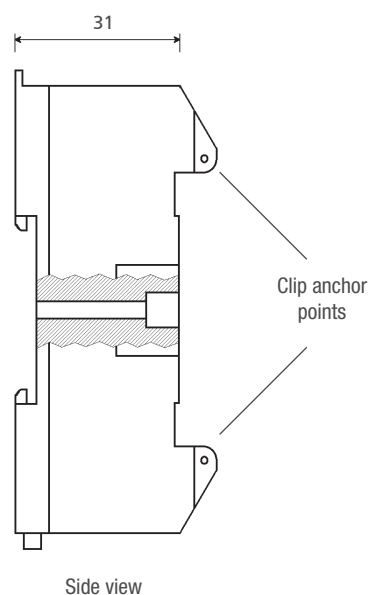
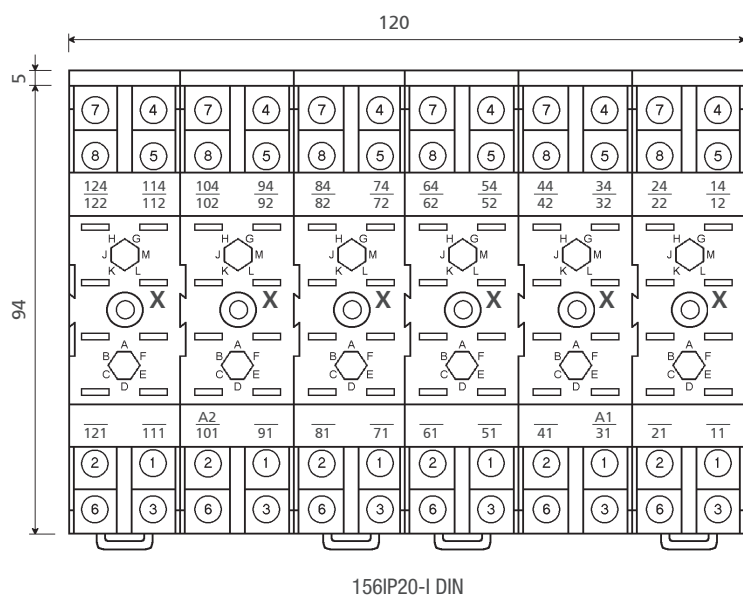
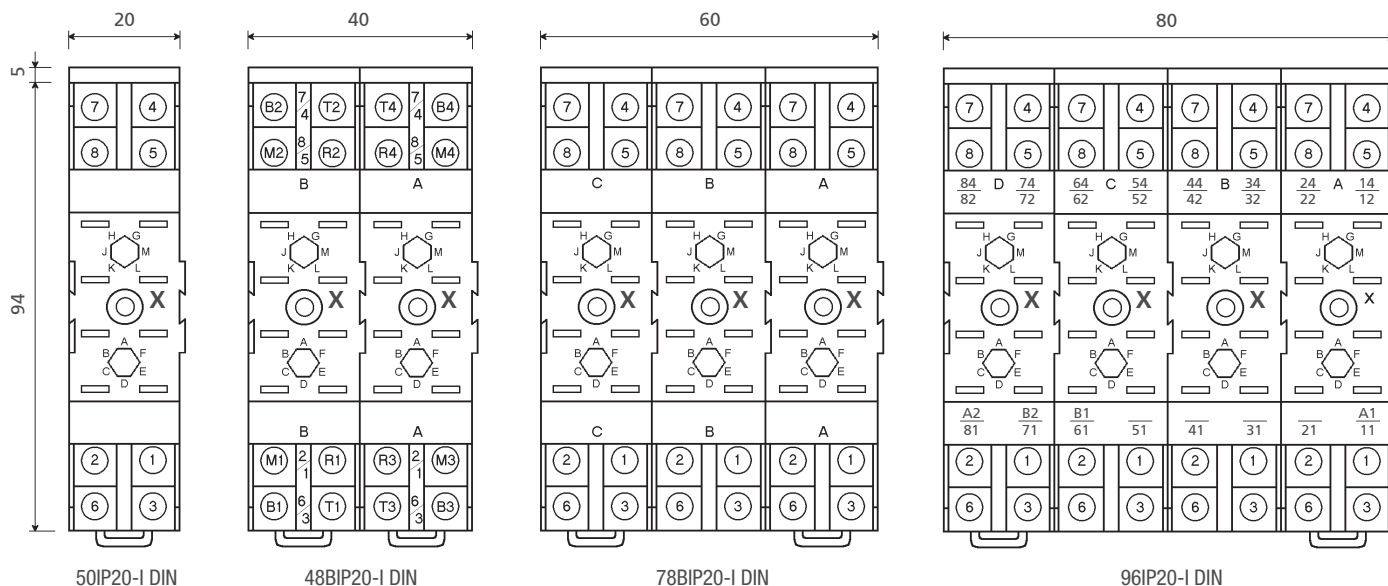
78BIP20-I DIN



96IP20-I DIN



156IP20-I DIN



X = Fixing holes

SPECIFICATIONS

Weight: 70 / 140 / 210 / 280 / 415 g

Operating temperature: (-58 to 158) °F (-50 to 70) °C

Storage temperature: (-58 to 185) °F (-50 to 85) °C

Panel mounting: • \varnothing holes: 4.2 mm

- center distance between adjacent holes: 20 mm

Mounting to Omega support: H35 to DIN 46277/3 - EN 60715 standards

Degree of protection: IP20

Dielectric strength: 2.5 kV 50 Hz 1 min

Type and size of screw: M3 thread, cross head

Tightening torque: 0.5 ... 0.6 Nm

Width of slot: 6.9 mm

Maximum section of cable: 2 x 2.5 mm²

Fire resistance: EN 60695-2-1, UL94 - V0, EN 45545-2, NFPA 130

Standards: EN 60255, EN 60947, EN 61810, EN 61373



To order

50IP20-I DIN	P01 4002 33
48BIP20-I DIN	P01 4002 34
78BIP20-I DIN	P01 4002 35
96IP20-I DIN	P01 4002 36
156IP20-I DIN	P01 4002 37



FRONT CONNECTION (WITH SCREW)

50L | 48BL | 78BL | 96BL

CONNECTION

FRONT

TERMINAL TYPE

SCREW

MOUNTING

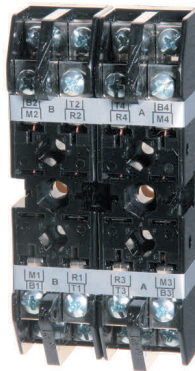
PANEL

PRODUCT ADVANTAGES

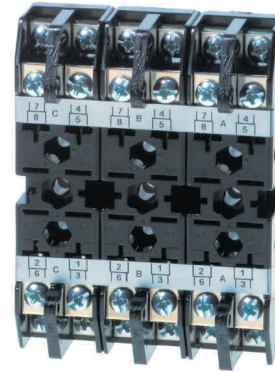
- Cable secured with removable screws
- Panel mounting
- Sturdy construction
- Excellent contact pressure on relay terminals
- No internal soldering
- Inputs for maximum section 2.5 mm²
- Provision for fitment of keying pins
- Provision for fitment of retaining clip
- Protection IP10



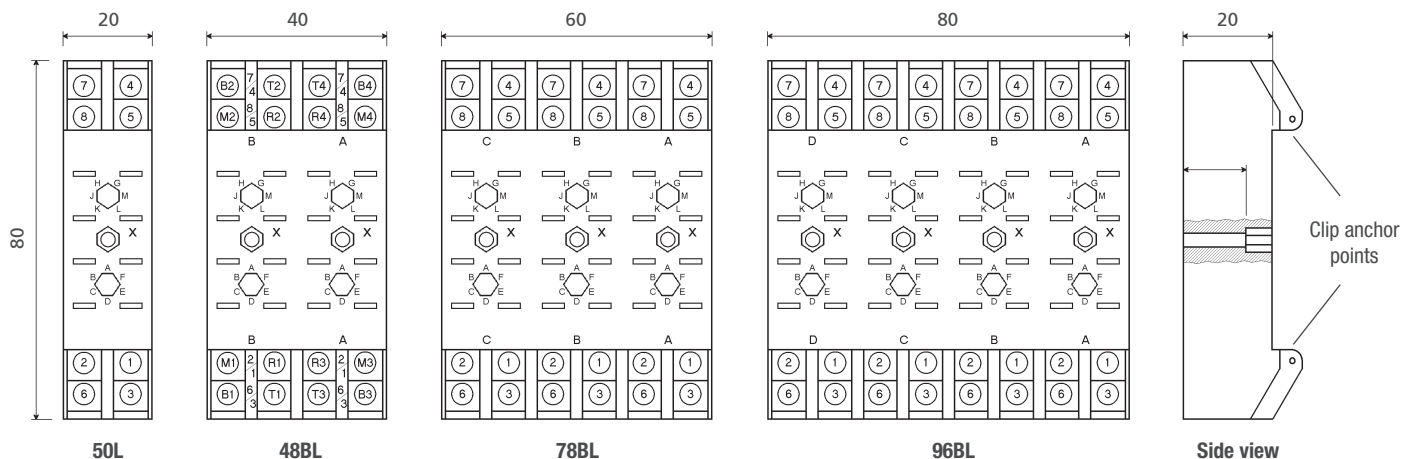
50L



48BL



78BL



X = Fixing holes

SPECIFICATIONS

Weight: 36 / 72 / 108 / 144 g

Operating temperature: (-13 to 158) °F (-25 to 70) °C

Storage temperature: (-40 to 185) °F (-40 to 85) °C

Panel mounting: • ø holes: 4.2 mm

• center distance between adjacent holes: 20 mm

Degree of protection: IP10

Dielectric strength: 2.5 kV 50 Hz 1 min

Type and size of screw: M3 thread, cross head

Removable screw for use with eyelet terminals

Tightening torque: 0.5 ... 0.8 Nm

Width of slot: 7.1 mm

Maximum section of cable: 2 x 2.5 mm²

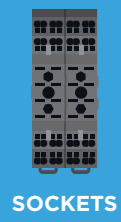
Fire resistance: EN 60695-2-1, UL94 - V0, EN 45545-2, NFPA 130

Standards: EN 60255, EN 60947, EN 61810, EN 61373



To order

50L	P01 4002 10
48BL	P01 4002 04
78BL	P01 4002 07
96BL	P01 4002 03



REAR CONNECTION (WITH SPRING CLAMP)

PRIR08x | PRIR16x | PRIR24x | PRIR32x | PRIR48x

CONNECTION
REAR

TERMINAL TYPE
SPRING CLAMP

MOUNTING
PANEL

PRODUCT ADVANTAGES

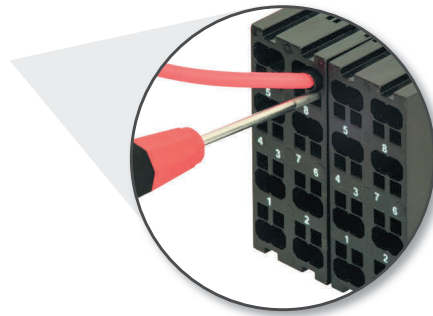
- Cable secured with spring clamp mechanism
- Insertion of cable with no need for tools
- Quick and easy wiring, saving more than half the time taken with conventional wiring
- Panel mounting
- Excellent contact pressure on relay terminals
- Sturdy construction, no internal soldering
- Compatible with cable up to 2.5 mm², bare (flexible or rigid) and with lug; 2 inputs per terminal
- Provision for fitment of keying pins
- Provision for fitment of retaining clip
- Protection IP20



PRIR08x



PRIR16x



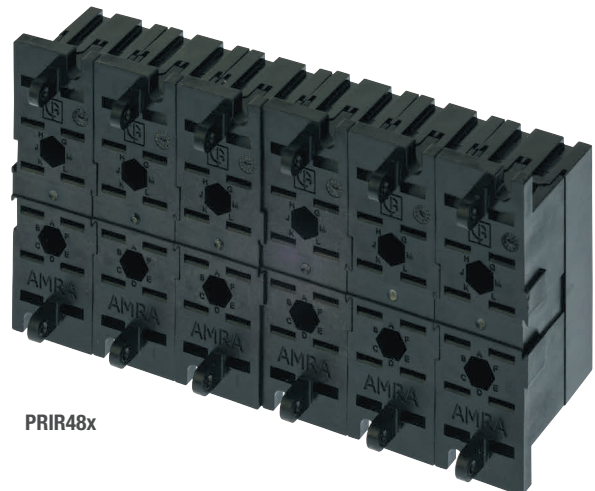
Detail of connections



PRIR24x

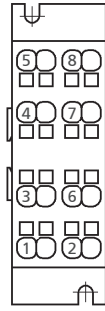
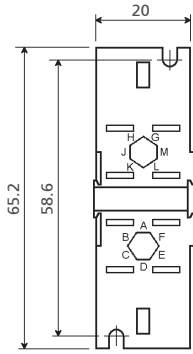


PRIR32x

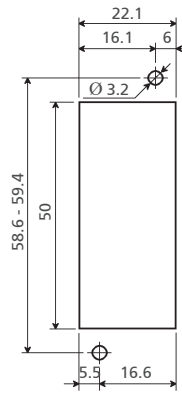


PRIR48x

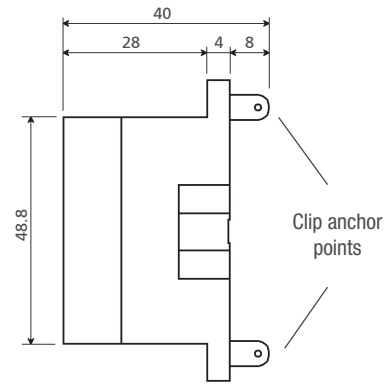
PRIR08x



PRIR080
Rear view

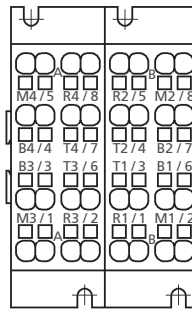
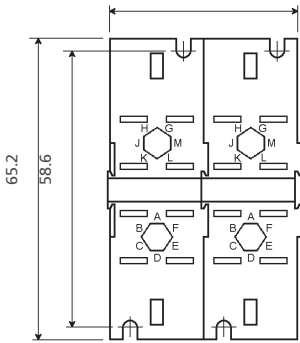


Drilling template

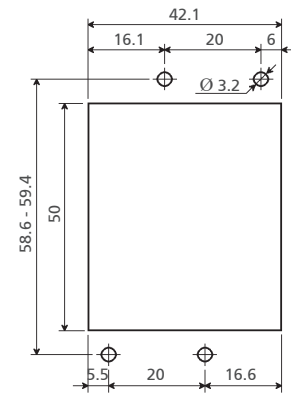


Side view

PRIR16x

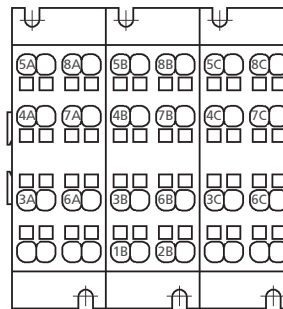
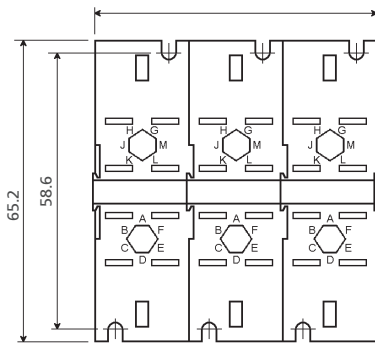


PRIR160
Rear view

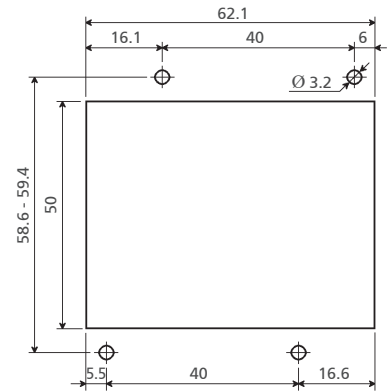


Drilling template

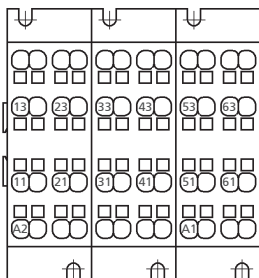
PRIR24x



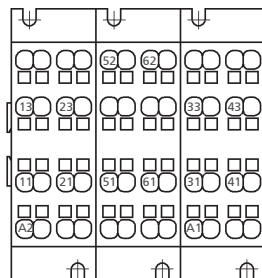
PRIR240
Model with "TRIPOK" numbering
Rear view



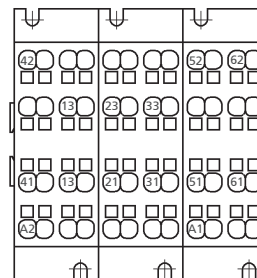
Drilling template



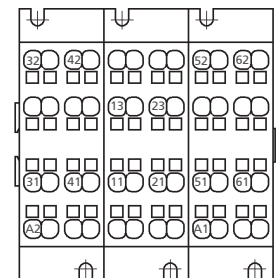
PRIR241
Model with numbering for RVLV16/1



PRIR242
Model with numbering for RVLV16/2



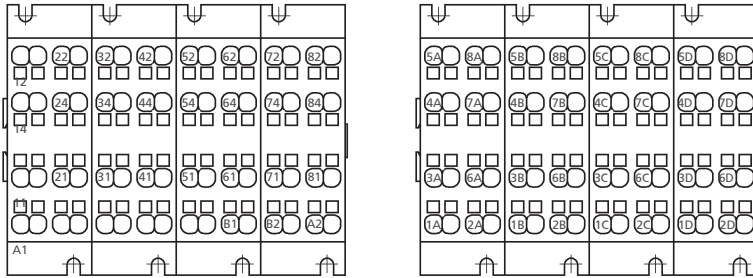
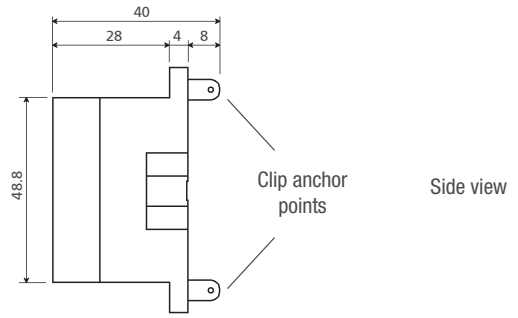
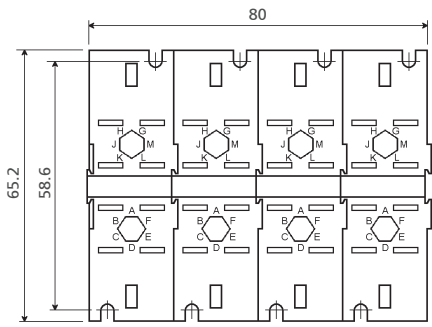
PRIR243
Model with numbering for RVLV16/3



PRIR244
Model with numbering for RVLV16/5

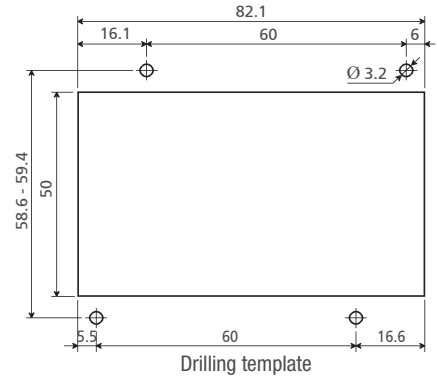
MONOSTABLE
INSTANTANEOUS MONOSTABLE WITH FORCIBLY GUIDED CONTACTS
TIME DELAY (ON PICK-UP OR DROP-OUT)
EXPLANATION OF SOCKET NUMBERING
FRONT CONNECTION
BACK CONNECTION
PCB MOUNT
RETAINING CLIPS
KEYING PINS

PRIR32x



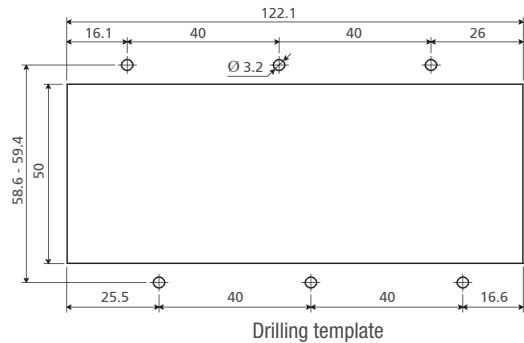
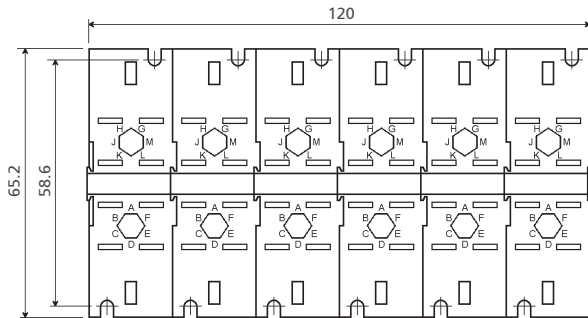
PRIR320 Rear view

PRIR321 Rear view

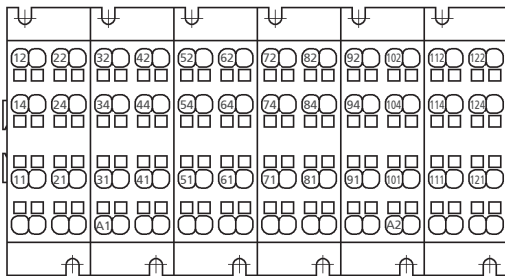


Drilling template

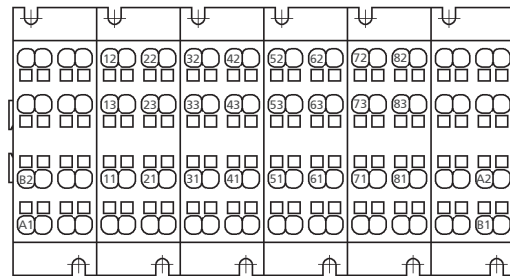
PRIR48x



Drilling template



PRIR480 / Model with "ESAPOK" numbering



PRIR481 / Model with "BAS8NB" numbering

SPECIFICATIONS

- Weight:** 35 / 70 / 105 / 140 / 210 g
- Operating temperature:** (-58 to 158) °F (-50 to 70) °C
- Storage temperature:** (-58 to 185) °F (-50 to 85) °C
- Panel mounting:** \varnothing holes: 3.2 mm
- Degree of protection:** IP20
- Dielectric strength:** 2.5 kV 50 Hz 1 min
- Fire resistance:** EN 60695-2-1, UL94 - V0, EN 45545-2, NFPA 130
- Standards:** EN 61810, EN 61373
- Terminal type:** spring clamp
- Inputs for each relay terminal:** 2

- Minimum section of cable:**
 - cable without lug: 1 mm²
 - cable with lug: 0.5 mm²
- Maximum section of cable:** 2.5 mm²
- Wire stripping length, mm:** 10 mm \pm 0.5 mm
- Length of lug:** 12 mm
- Wiring with rigid cables or lug:** pressure grip
- Wiring with flexible cables, extraction of cables:** using screwdriver type tool with slim shaft and slotted head measuring 2.5 mm x 0.4 mm, inserted perpendicularly to the socket.

To order

PRIR080	P01 4002 60
PRIR160	P01 4002 61
PRIR240	P01 4002 62
PRIR320	P01 4002 63
PRIR480	P01 4002 64

REAR CONNECTION (WITH SCREW)

53IL | 43IL | 73IL

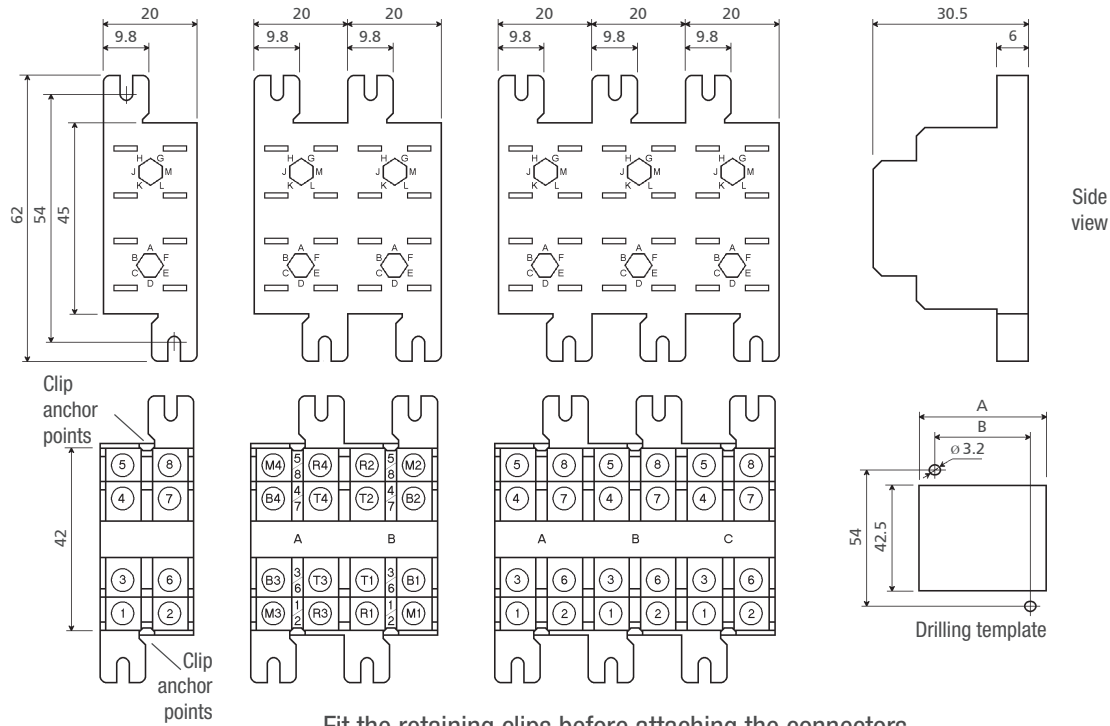
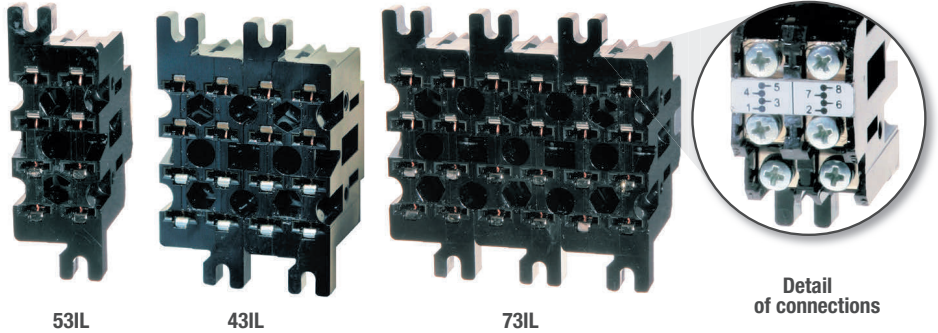
CONNECTION
REAR

TERMINAL TYPE
SCREW

MOUNTING
PANEL

PRODUCT ADVANTAGES

- Cable secured with removable screws
- Panel mounting
- Sturdy construction
- Excellent contact pressure on relay terminals
- No internal soldering
- Inputs for maximum section 2.5 mm²
- Provision for fitment of keying pins
- Provision for fitment of retaining clip
- Protection IP10



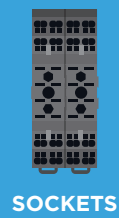
	A	B
53IL	20.5	10
43IL	40.5	30
73IL	60.5	50

SPECIFICATIONS

Weight: 41 / 82 / 123 g
Operating temperature: (-13 to 158) °F (-25 to 70) °C
Storage temperature: (-40 to 185) °F (-40 to 85) °C
Degree of protection: IP10
Dielectric strength: 2.5 kV 50 Hz 1 min
Type and size of screw: M3 thread, cross head
 Removable screw for use with eyelet terminals

Tightening torque: 0.5 ... 0.8 Nm
Width of slot: 5.4 mm
Maximum section of cable: 2 x 2.5 mm²
Fire resistance: EN 60695-2-1, UL94 - V0, EN 45545-2, NFPA 130
Standards: EN 60255, EN 60947, EN 61810, EN 61373

To order	
53IL	P01 4002 40
43IL	P01 4002 41
73IL	P01 4002 42



REAR CONNECTION (SINGLE FASTON)

84F

CONNECTION
REAR

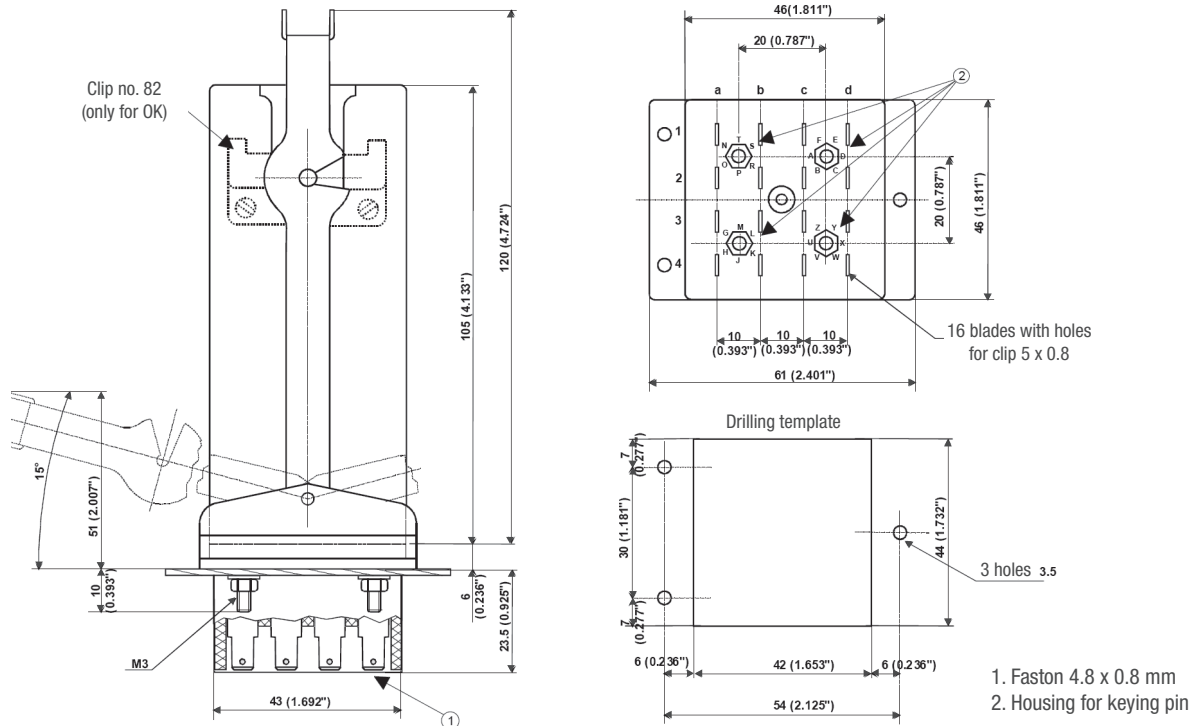
TERMINAL TYPE
FASTON

MOUNTING
PANEL

PRODUCT ADVANTAGES

- Sturdy construction
- No internal soldering

Dimensions



SPECIFICATIONS

Weight: 120 g

Operating temperature: (-40 to 158) °F (-40 to 70) °C

To order

84F	ACC.84F
ADAPTER KIT N82	P01 4002 11

ADF1 | ADF2 | ADF3 | ADF4 | ADF6

CONNECTION
REAR

TERMINAL TYPE
FASTON

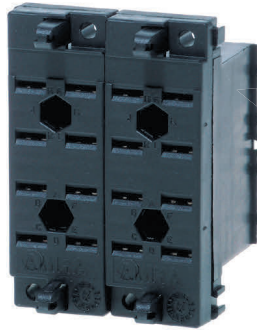
MOUNTING
PANEL

PRODUCT ADVANTAGES

- Connection of cable with faston clip
- 2 inputs for each relay terminal
- Sturdy construction
- Excellent contact pressure on relay terminals
- No internal soldering
- Provision for fitment of keying pins
- Provision for fitment of retaining clip
- Protection IP20



ADF1



ADF2



Detail of connections



ADF3

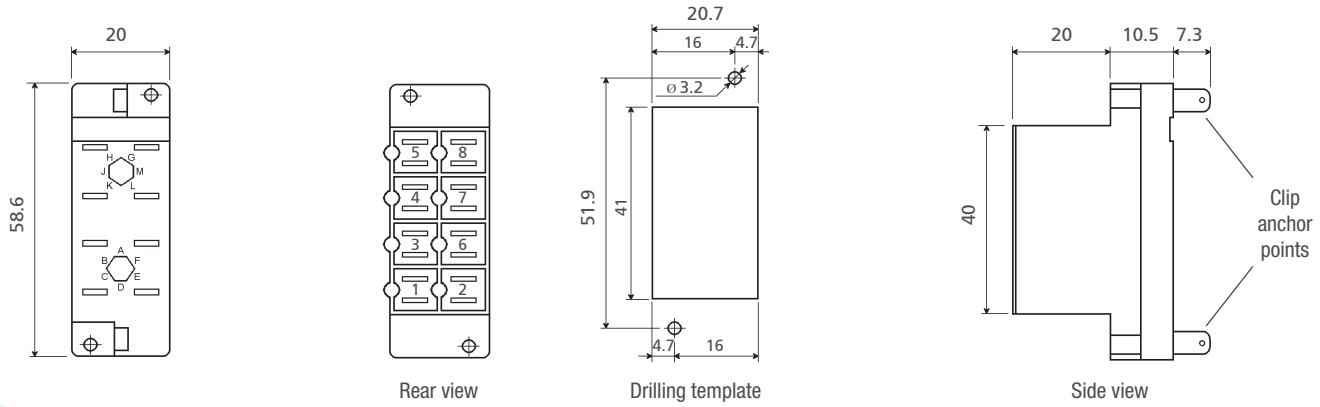


ADF4

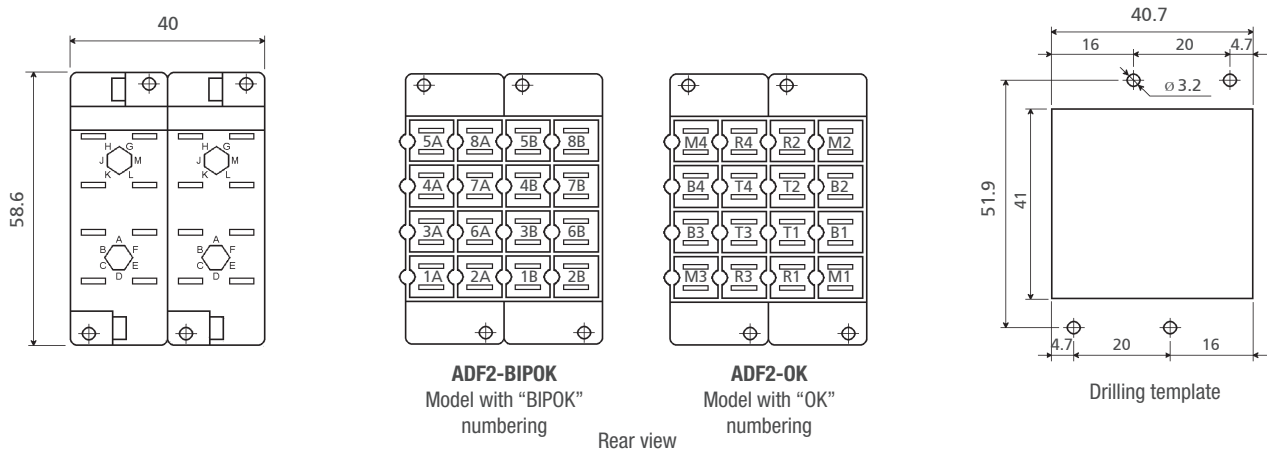


ADF6

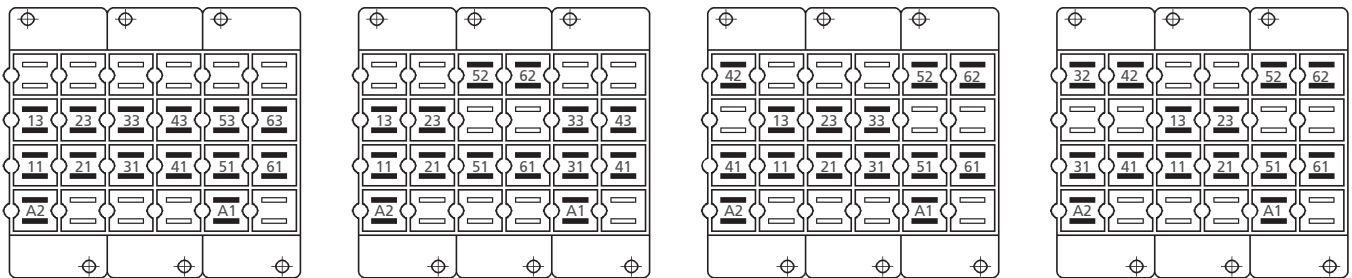
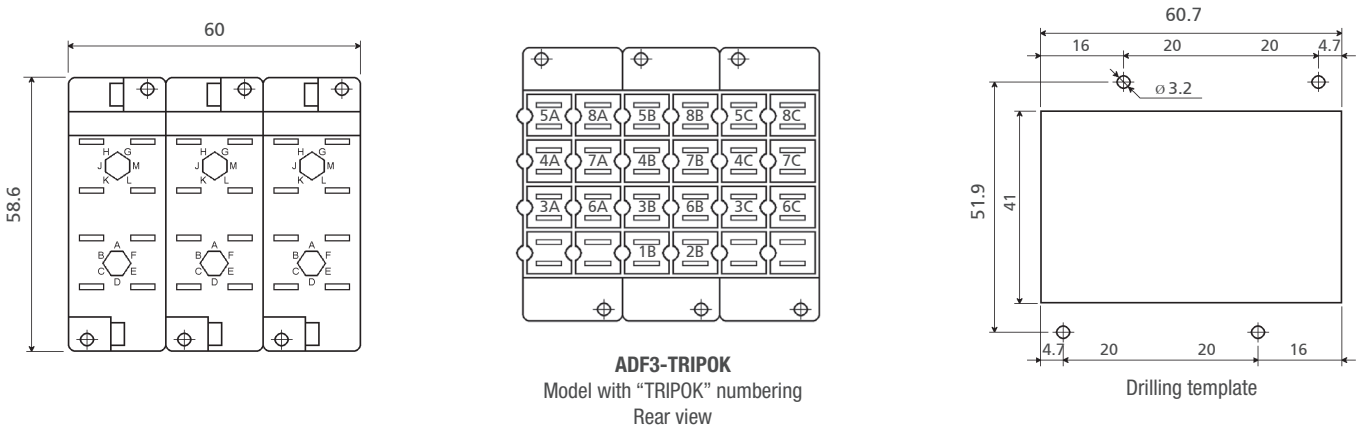
ADF1



ADF2



ADF3



ADF3-RVLV16/1
Model with numbering for RVLV16/1

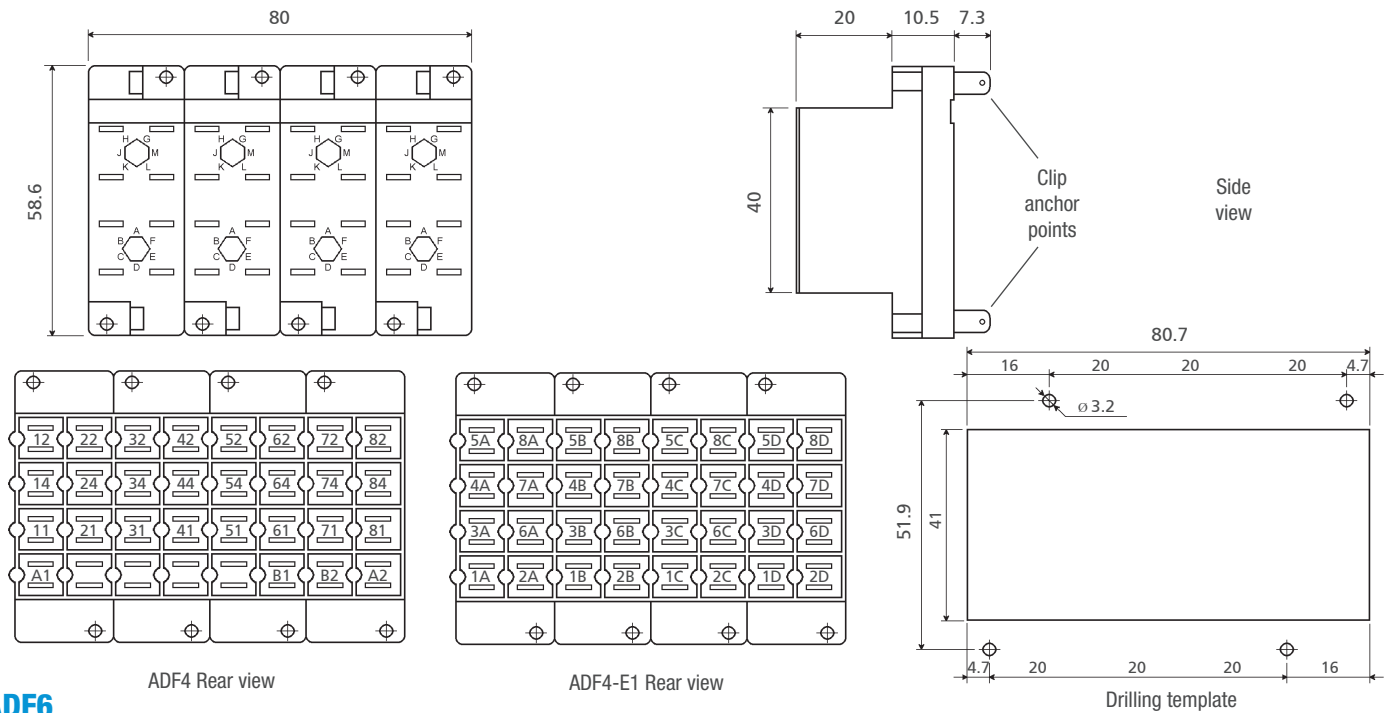
ADF3-RVLV16/2
Model with numbering for RVLV16/2

ADF3-RVLV16/3
Model with numbering for RVLV16/3

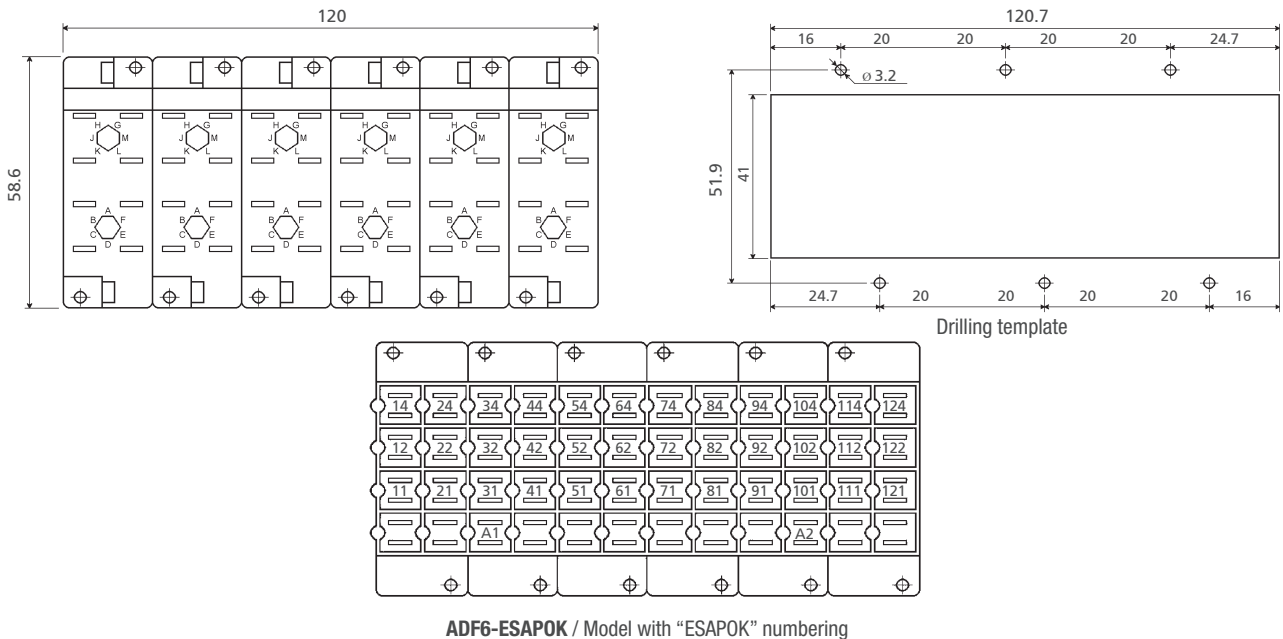
ADF3-RVLV16/5
Model with numbering for RVLV16/5

MONOSTABLE
INSTANTANEOUS MONOSTABLE WITH FORCIBLY GUIDED CONTACTS
TIME DELAY (ON PICK-UP OR DROP-OUT)
EXPLANATION OF SOCKET NUMBERING
FRONT CONNECTION
BACK CONNECTION
PCB MOUNT
RETAINING CLIPS
KEYING PINS

ADF4



ADF6



SPECIFICATIONS

Weight: 32 / 64 / 96 / 128 / 192 g
Operating temperature: (-13 to 158) °F (-25 to 70) °C
Storage temperature: (-40 to 185) °F (-40 to 85) °C
Degree of protection: IP10
Dielectric strength: 2.5 kV 50 Hz 1 min
Type and size of faston clip: 2 × 4.8 × 0.8
Width of slot: 8 mm
Maximum section of cable: 2.5 mm²
Fire resistance: EN 60695-2-1, UL94 - V0, EN 45545-2
Standards: EN 60255, EN 60947, EN 61810, EN 61373

To order

ADF1	P01 4002 50
ADF2 - OK (UTM)	P01 4002 51
ADF2 - BIPOK	P01 4002 52
ADF3 - TRIPOK	P01 4002 53
ADF3 - RVLV16/1	P01 4002 54
ADF3 - RVLV16/2	P01 4002 55
ADF3 - RVLV16/3	P01 4002 56
ADF3 - RVLV16/5	P01 4002 57
ADF4	P01 4002 59
ADF6	P01 4002 58



SOCKET FOR PCB MOUNTING

SOCKET NO. 65

CONNECTION

REAR

TERMINAL TYPE

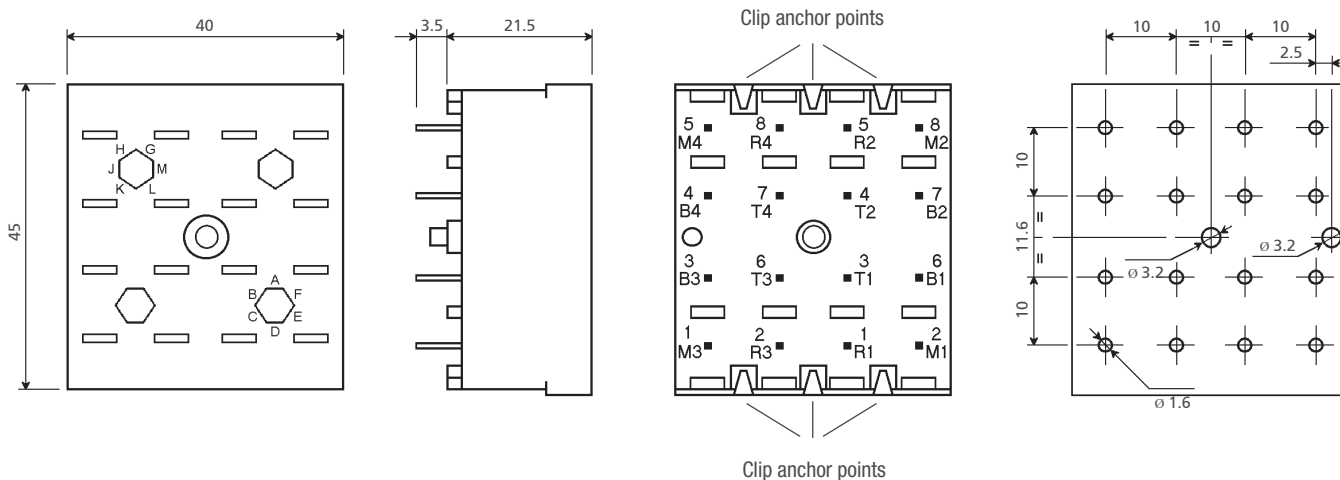
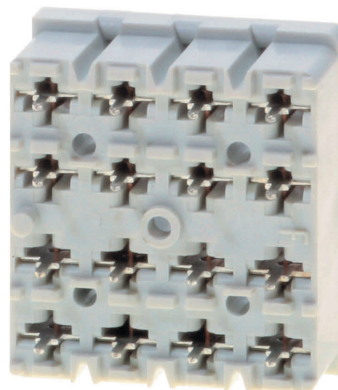
SOLDER

MOUNTING

PCB

PRODUCT ADVANTAGES

- PCB-mount
- Sturdy construction
- Excellent contact pressure on relay terminals
- No internal soldering
- No maintenance
- Provision for fitment of keying pins
- Provision for fitment of retaining clip



SPECIFICATIONS

Weight: 51 g

Operating temperature: (-13 to 158) °F (-25 to 70) °C

Storage temperature: (-40 to 185) °F (-40 to 85) °C

Dielectric strength: 2.5 kV 50 Hz 1 min

Type and size of terminals: solder, ϕ 1.6 mm

Fire resistance: EN 60695-2-1, UL94 - V0, EN 45545-2, NFPA 130

Standards: EN 60255, EN 60947, EN 61810, EN 61373



To order

65

P01 4001 53A