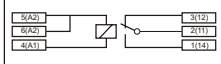
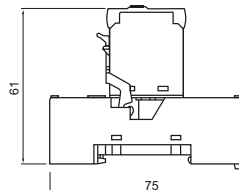
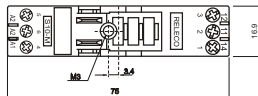
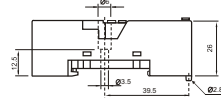


IRC

Interface and General Application

1.19

1**Wiring Diagram****Dimensions** in mm.**S10-M**

Input / Output Socket (16A)
for C10-CSS relays
DIN rail or panel mountable

Specifications

Poles 1 Change Over Contact
Nominal load : 16A / 250V

Insulation: Di-electric strength, 1minute
Between contact and coil 5 KV
Between all terminals and DIN rail 5 KV
Between adjacent terminals 3 KV

Max. screw torque 1.2 Nm
Screw dimensions M3, Pozi

Wire in-lets capacity:
Solid Wire 4 mm² or 2 x 2.25 Sq. mm
Multi core 22 14 AWG
Ferrule tip terminals 4 mm²
Weight Approx. 30 gr.

Other Aspects

DIN Rail / Panel Mountable
EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
Integrated Hold Down Clip
Removable White Marking Label
Hard Brass Tin Plated Terminals
Brass Tin Plated Screw

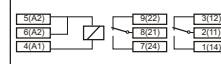
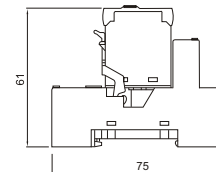
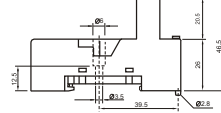
Accessories

Bridge Bar V40 & V10 for NC or NO or CO Terminals.
Maximum current through Bridge Bar 40 Amps.
Bridge Bar B20 for Coil Terminal A2

Interface and General Application

RELECO PARAMOUNT

1.20

1**Wiring Diagram****Dimensions** in mm.**S12**

Input / Output Socket (5A)
for C12 Relays
DIN rail or panel mountable

Specifications

Poles 2 Change Over Contact
Nominal load : 5A / 250V

Insulation: Di-electric strength, 1minute
Between contact and coil 5 KV
Between all terminals and rail DIN 5 KV
Between adjacent terminals 3 KV

Max. screw torque 1.2 Nm
Screw dimensions M3, Pozi

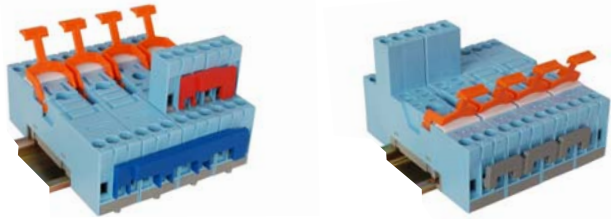
Wire in-lets capacity:
Solid Wire 4 mm² or 2 x 2.25 mm²
Multi core 22 14 AWG
Ferrule tip terminals 4 mm²
Weight Approx. 38 gr.

Other Aspects

DIN Rail / Panel Mountable
EN / DIN Sequential Numbering according to EN 60947 & IEC 61810
Integrated Hold Down Clip
Removable White Marking Label
Hard Brass Tin Plated Terminals
Brass Tin Plated Screw

Accessories

Bridge Bar V40 & V10 for NC or NO or CO Terminals.
Maximum current through Bridge Bar 40 Amps.
Bridge Bar B20 for Coil Terminal A2



S10-M & S12 are sockets for 1 & 2 contacts with inlets inline and identical disposition of contacts and coil terminals on both sockets.
 S10-M & S12 follow an identical sequence of coil & contacts
 Coil Terminal on level 1 (A2, A2, A1)
 Contact Terminal on level 1 (12, 11, 14)
 Contact Terminal on level 2 (22, 21, 24)
 S10M & S12 sockets and the bridges V40, V10 & B20 permit an easy interconnection of sockets (both S10-M & S12) in any combination of voltages coils or contacts.
 V40, V10 & B20 bridges are available in Grey colour (Standard), Red(AC), Blue(DC), following the same colour coding as used in the test button to identify the type of relays.

V40
Power Bridge bars for S10-M and S12 sockets

V10

B20 **V10**
Coil bridge bars for sockets S10-M and S12

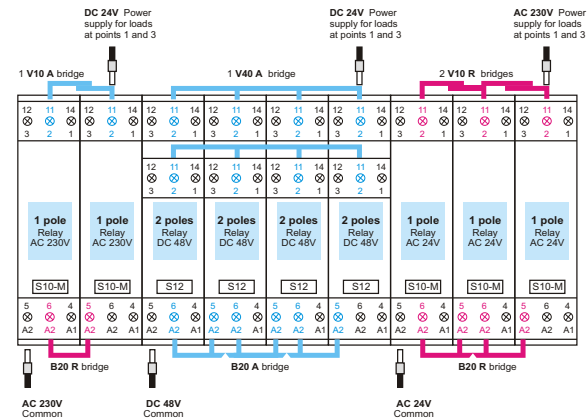


V40 & V10 bridge bars for contact terminals of S10M & S12 sockets

V40 & V20 bridges allow the interconnection of the common points on the S10M & S12 sockets, usually the C/O contacts (11 on level 1, 21 on level 2). They can be also used to bridge NC or NO terminals.

V40 bridges join 4 similar points in 4 or multiple of 4 adjacent S10M or S12 or combination S10M & S12 sockets
 V40 bridges can be used individually or in combination with V10 bridges to bridge unlimited number of sockets
 For example if you need to bridge 5 sockets you can either use 1 V40 + 1 V10 or 4 V10 bridges.
 V10 bridges can be used to connect 2 or more adjacent S10M or S12 or combination of S10M & S12 sockets
 Both V40 & V10 bridges are made of copper with a current capacity of 40A

It is necessary that the total sum of loads in a relay group, will not exceed the maximum of 40A, permitted by the power bridges. If exceeded, the thicker power cables must be connected, to share the current and avoid overheating in the bridges. Every inlet terminal can accommodate ferrule tips upto 4 sq.mm.



B20 bridge bars for Coil Terminals of S10M & S12 sockets

Both terminals 5 & 6 (on S10M & S12) are internally connected. Each B20 bridge connects terminal 6 of the first socket to terminal 5 of the next socket leaving free terminal 5 of the first socket and terminal 6 of the last socket to connect the common polarity cable. Coil control voltage connect to points A1.
 Bridge B20 is composed by four units which can be divided into 1 or 2 or 3 individual elements.

1.23

1

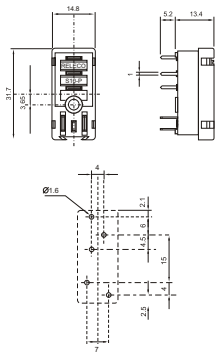
S10-P

Printed Circuit Socket for 1 Pole C10 & CSS relays



Specifications
 Nominal load 10A / 250 V
 Dielectric strength 1 min. 5 KV
 Coil terminals to contacts 0.5 x 1mm
 Hard brass tin-plated terminals
 Integrated hold-down clip

Dimensions in mm.



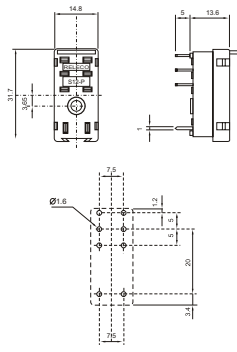
S12-P

Printed circuit socket for 2-pole C12 relays

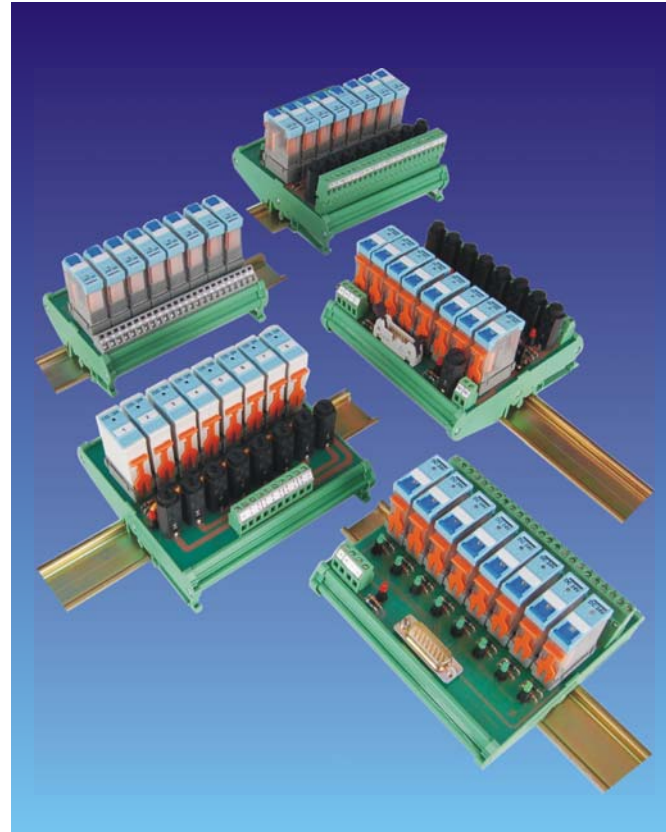


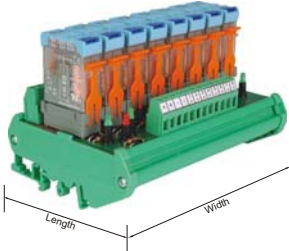
Specifications
 Nominal load 5A / 250 V
 Dielectric strength 1 min. 5 KV
 Coil terminals to contacts 0.5 x 1mm
 Hard brass tin-plated terminals
 Integrated hold-down clip

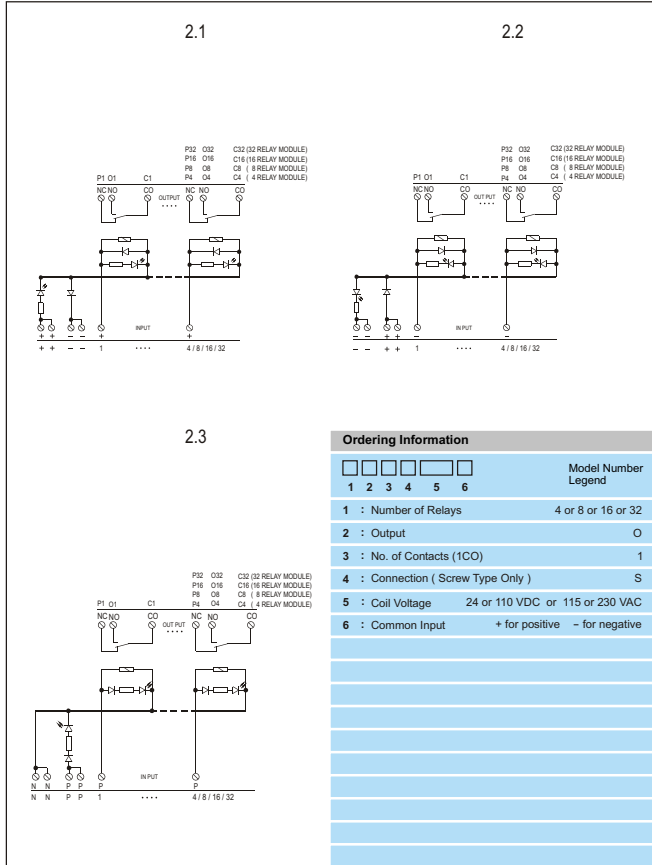
Dimensions in mm.



Relay Interface Modules



Standard 35 mm DIN Rail Mounting		Output Module with 1 C/O Contact - 4, 8, 16, 32 Relays
Input : Screw Connection		
Output : Screw Connection		
All Relays are Socket (S10P) Mounted		
Relay : C10 A10...VAC / VDC		
Input provided with Reverse Polarity Protection for Relays with DC Coils.		
Other Coil Voltages are available on request.		
Customised Modules available on request.		
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request		
Input Data		
Board Power ON LED	Red	
Status Indication LED Per Relay	Green	
Output Data		
Contact Type	SPDT	
Maximum Switching Voltage	240 VAC / 24 VDC	
Maximum Switching Current	10 Amps	
General Data		
Conductor Cross Section	Solid : 0.2 - 4mm ² AWG 24 - 12	
Insulation Stripping Length	8 mm	
Module Length	90 mm	
Module Height above 35 mm DIN Rail	80 mm Max.	
Dielectric Strength	2.5 KV between Input and Output of Relay Module	
Operating Temperature Range	- 20°C to +60° C	
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label	



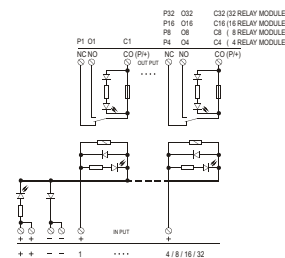
Standard Part Nos.			
Connection	Input / Output - Screw		
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1S24DC+	2.2	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1S24DC-	2.1	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	4O1S110DC+	2.2	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	4O1S110DC-	2.1	65
4 Relay, Output Module, 1C/O, 115V AC Coil Input	4O1S115AC	2.3	65
4 Relay, Output Module, 1C/O, 230V AC Coil Input	4O1S230AC	2.3	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1S24DC+	2.2	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1S24DC-	2.1	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	8O1S110DC+	2.2	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	8O1S110DC-	2.1	130
8 Relay, Output Module, 1C/O, 115V AC Coil Input	8O1S115AC	2.3	130
8 Relay, Output Module, 1C/O, 230V AC Coil Input	8O1S230AC	2.3	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1S24DC+	2.2	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1S24DC-	2.1	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	16O1S110DC+	2.2	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	16O1S110DC-	2.1	250
16 Relay, Output Module, 1C/O, 115V AC Coil Input	16O1S115AC	2.3	250
16 Relay, Output Module, 1C/O, 230V AC Coil Input	16O1S230AC	2.3	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1S24DC+	2.2	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1S24DC-	2.1	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	32O1S110DC+	2.2	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	32O1S110DC-	2.1	500
32 Relay, Output Module, 1C/O, 115V AC Coil Input	32O1S115AC	2.3	500
32 Relay, Output Module, 1C/O, 230V AC Coil Input	32O1S230AC	2.3	500

2.4

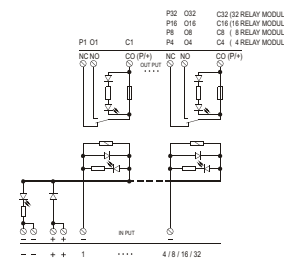
Standard 35 mm DIN Rail Mounting	Output Module with 1 C/O Contact with Fuse - 4, 8, 16, 32 Relays
Input : Screw Connection	
Output : Screw Connection	
All Relays are Socket (S10P) Mounted	
Relay : C10 A10...VAC / VDC.	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relay Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Input Data	
Board Power ON LED	Red
Status Indication LED Per Relay	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 4mm ² AWG 24 - 12
Insulation Stripping Length	8 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm Max.
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	- 20°C to +60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label

2

2.4



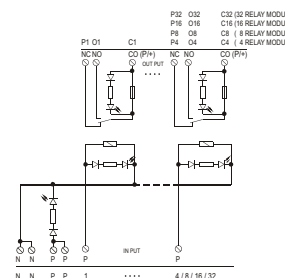
2.5



2.5

2

2.6



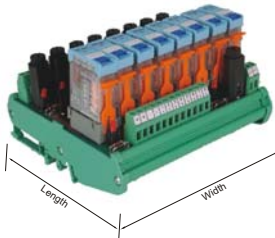
Ordering Information

□ □ □ □ □ □ □ XXX	Model Number Legend
1 2 3 4 5 6 7 8	
1 : Number of Relays	4 or 8 or 16 or 32
2 : Output Module	O
3 : No. of Contacts (1CO)	1
4 : Connection (Screw Type Only)	S
5 : Fuse + Fuse Blow Indication	B
6 : Coil voltage	24 or 110 VDC or 115 or 230 VAC
7 : Common Input	+ for positive - for negative
8 : Load Voltage XXX	24VDC or 115VAC or 230VAC

2.6

Standard Part Nos.				
Connection : Input / Output - Screw				
Description	Part No.	Wiring Diagram	Width in mm	
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1SB24DC+ XXX	2.5	65	
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1SB24DC- XXX	2.4	65	
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	4O1SB110DC+ XXX	2.5	65	
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	4O1SB110DC- XXX	2.4	65	
4 Relay, Output Module, 1C/O, 115V AC Coil Input	4O1SB115AC XXX	2.6	65	
4 Relay, Output Module, 1C/O, 230V AC Coil Input	4O1SB230AC XXX	2.6	65	
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1SB24DC+ XXX	2.5	130	
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1SB24DC- XXX	2.4	130	
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	8O1SB110DC+ XXX	2.5	130	
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	8O1SB110DC- XXX	2.4	130	
8 Relay, Output Module, 1C/O, 115V AC Coil Input	8O1SB115AC XXX	2.6	130	
8 Relay, Output Module, 1C/O, 230V AC Coil Input	8O1SB230AC XXX	2.6	130	
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1SB24DC+ XXX	2.5	250	
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1SB24DC- XXX	2.4	250	
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	16O1SB110DC+ XXX	2.5	250	
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	16O1SB110DC- XXX	2.4	250	
16 Relay, Output Module, 1C/O, 115V AC Coil Input	16O1SB115AC XXX	2.6	250	
16 Relay, Output Module, 1C/O, 230V AC Coil Input	16O1SB230AC XXX	2.6	250	
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1SB24DC+ XXX	2.5	500	
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1SB24DC- XXX	2.4	500	
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	32O1SB110DC+ XXX	2.5	500	
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	32O1SB110DC- XXX	2.4	500	
32 Relay, Output Module, 1C/O, 115V AC Coil Input	32O1SB115AC XXX	2.6	500	
32 Relay, Output Module, 1C/O, 230V AC Coil Input	32O1SB230AC XXX	2.6	500	

2

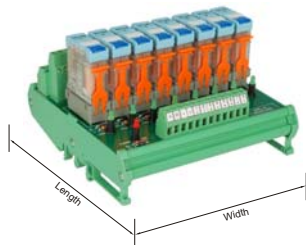
Standard 35 mm DIN Rail Mounting	Output Module 1 C/O Contact with Fuse & Jumper - 4, 8, 16, 32 Relays	
Input : Screw Connection		
Output : Screw Connection		
All Relays are Socket (S10P) Mounted		
Relay : C10 A10X.....VAC C10 A10 FX...VDC		
Input provided with Reverse Polarity Protection for Relays with DC Coils.		
Other Coil Voltages are available on request.		
Customised Modules available on request.		
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.		
Relay module with Fuse in series with Change Over Contact of Relay		
Fuse Blow Indication (Red LED)		
Jumper(Gold plated) on Contact Side for Wet and Dry Contact Selection		
Input Data		
Board Power ON LED		Red
Status Indication LED Per relay		Orange
Status Indication for Field Supply		Green
Output Data		
Contact Type	SPDT	
Maximum Switching Voltage	240 VAC / 24 VDC	
Maximum Switching Current	10 Amps	
Fuse Blow Indication Status LED	Red	
Protection Fuse	5Amps	
General Data		
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 – 12	
Insulation Stripping Length	8 mm	
Module Length	126 mm	
Module Height on DIN Rail	80 mm Max.	
Dielectric Strength	2.5 KV between Input and Output of Relay Module	
Operating Temperature Range	- 20°C to +60° C	
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label	

2.7

2

2.10

Standard 35 mm DIN Rail Mounting
 Input : Screw Connection
 Output : Screw Connection
 All Relays are Socket (S12P) Mounted
 Relay : C12A21 ...VAC / VDC
 Input provided with Reverse Polarity Protection for Relays with DC Coils.
 Other Coil Voltages are available on request.
 Customised Modules available on request.
 Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.



Output Module with 2 C/O Contacts - 4, 8, 16, 32 Relays

Input Data

Board Power ON LED Red
 Status Indication LED Per relay Green

Output Data

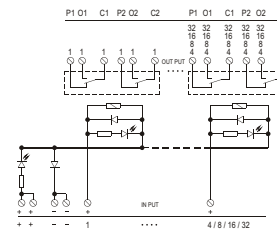
Contact Type DPDT
 Maximum Switching Voltage 240 VAC / 24 VDC
 Maximum Switching Current 5 Amps

General Data

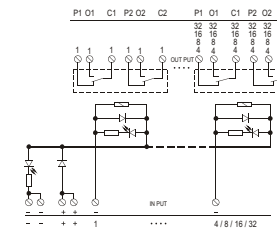
Conductor Cross Section Solid : 0.2 - 4 mm² AWG 24 - 12
 Insulation Stripping Length 8 mm
 Module Length 126 mm
 Module Height on DIN Rail 80 mm Max.
 Dielectric Strength 2.5 KV between Input and Output of Relay Module
 Operating Temperature Range -20°C to +60° C
 Relay Standard Features Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label

2

2.10



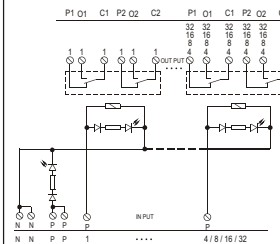
2.11



2.11

2

2.12



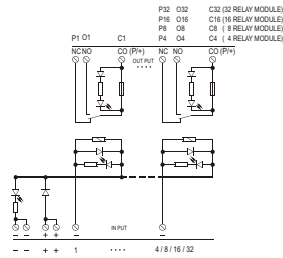
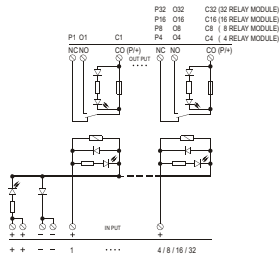
Ordering Information

Legend	Model Number Legend
1	Number of Relays 4 or 8 or 16 or 32
2	Output Module O
3	No. of Contacts (2CO) 2
4	Connection (Screw Type Only) S
5	Coil Voltage 24 or 110 VDC or 115 or 230 VAC
6	Common Input + for positive - for negative

3.5

3.4

3.5



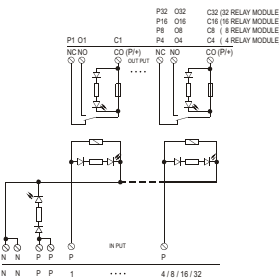
3

3.6

Ordering Information



- 1 : Number of Relays 4 or 8 or 16 or 32
- 2 : Output Module O
- 3 : No. of Contacts (1CO) 1
- 4 : Connection (Detachable Screw Type Only) R
- 5 : Fuse + Fuse Blow Indication B
- 6 : Coil Voltage 24 or 110 VDC or 115 or 230 V
- 7 : Common Input + for positive - for negative
- 8 : Load Voltage XXX 24VDC or 115VAC or 230VAC



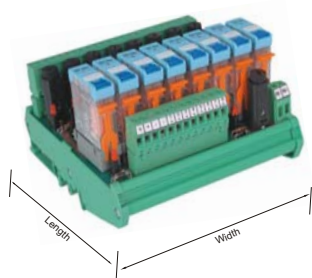
3.6

Standard Part Nos.					
Connection	Input / Output	Detachable Screw Connector	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O,	24V DC Coil, Common Positive Input		4O1RB24DC+	XXX	3.5 65
4 Relay, Output Module, 1C/O,	24V DC Coil, Common Negative Input		4O1RB24DC-	XXX	3.4 65
4 Relay, Output Module, 1C/O,	110V DC Coil, Common Positive Input		4O1RB110DC+	XXX	3.5 65
4 Relay, Output Module, 1C/O,	110V DC Coil, Common Negative Input		4O1RB110DC-	XXX	3.4 65
4 Relay, Output Module, 1C/O,	115V AC Coil Input		4O1RB115AC	XXX	3.6 65
4 Relay, Output Module, 1C/O,	230V AC Coil Input		4O1RB230AC	XXX	3.6 65
8 Relay, Output Module, 1C/O,	24V DC Coil, Common Positive Input		8O1RB24DC+	XXX	3.5 130
8 Relay, Output Module, 1C/O,	24V DC Coil, Common Negative Input		8O1RB24DC-	XXX	3.4 130
8 Relay, Output Module, 1C/O,	110V DC Coil, Common Positive Input		8O1RB110DC+	XXX	3.5 130
8 Relay, Output Module, 1C/O,	110V DC Coil, Common Negative Input		8O1RB110DC-	XXX	3.4 130
8 Relay, Output Module, 1C/O,	115V AC Coil Input		8O1RB115AC	XXX	3.6 130
8 Relay, Output Module, 1C/O,	230V AC Coil Input		8O1RB230AC	XXX	3.6 130
16 Relay, Output Module, 1C/O,	24V DC Coil, Common Positive Input		16O1RB24DC+	XXX	3.5 255
16 Relay, Output Module, 1C/O,	24V DC Coil, Common Negative Input		16O1RB24DC-	XXX	3.4 255
16 Relay, Output Module, 1C/O,	110V DC Coil, Common Positive Input		16O1RB110DC+	XXX	3.5 255
16 Relay, Output Module, 1C/O,	110V DC Coil, Common Negative Input		16O1RB110DC-	XXX	3.4 255
16 Relay, Output Module, 1C/O,	115V AC Coil Input		16O1RB115AC	XXX	3.6 255
16 Relay, Output Module, 1C/O,	230V AC Coil Input		16O1RB230AC	XXX	3.6 255
32 Relay, Output Module, 1C/O,	24V DC Coil, Common Positive Input		32O1RB24DC+	XXX	3.5 510
32 Relay, Output Module, 1C/O,	24V DC Coil, Common Negative Input		32O1RB24DC-	XXX	3.4 510
32 Relay, Output Module, 1C/O,	110V DC Coil, Common Positive Input		32O1RB110DC+	XXX	3.5 510
32 Relay, Output Module, 1C/O,	110V DC Coil, Common Negative Input		32O1RB110DC-	XXX	3.4 510
32 Relay, Output Module, 1C/O,	115V AC Coil Input		32O1RB115AC	XXX	3.6 510
32 Relay, Output Module, 1C/O,	230V AC Coil Input		32O1RB230AC	XXX	3.6 510

3

3.7

Standard 35 mm DIN Rail Mounting	Output Module 1 C/O Contact with Fuse & Jumper - 4, 8, 16, 32 Relays
Input : Detachable Screw Connector	
Output : Detachable Screw Connector	
All Relays are Socket (S10P) Mounted	
Relay : C10 A10 X...VAC C10 A10 FX...VDC	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relay Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Jumper (Gold Plated) on Contact Side for Wet and Dry Contact Selection.	
Input Data	
Board Power ON LED	Red
Status Indication LED Per relay	Green
Status Indication LED for Field Supply	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5 Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 2.5 mm ² AWG 24 - 12
Insulation Stripping Length	7 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm Max.
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	- 20° C to + 60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label



3

3.7

3.8

3.9

Ordering Information

1	2	3	4	5	6	7	8	9	Model Number Legend
1	2	3	4	5	6	7	8	9	

1 : Number of Relays 4 or 8 or 16 or 32

2 : Output Module O

3 : No. of Contacts (1CO) 1

4 : Connection (Detachable Screw Type Only) R

5 : Fuse + Fuse Blow Indication B

6 : Jumper J

7 : Coil Voltage 24 or 110 VDC or 115 or 230 VAC

8 : Common Input + for positive - for negative

9 : Field / Load Voltage [XXX] 24VDC or 115 or 230VAC

Note: Field / Load Voltage for Wet Contact Only

Jumper Position	Output Terminals
Wet Contact	4-3 C1 (P+),..., N1 / -...
Dry Contact	1-2 01..., C1...

Relay Type : C10 A10X...VAC & C10 A10FX...VDC

Note- All the relays have Electronics built inside.

(X : LED, F : Free Wheeling & Polarity Diode)

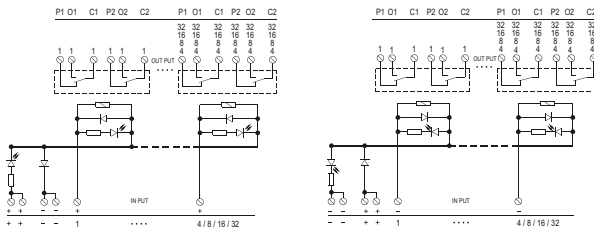
3.8

3

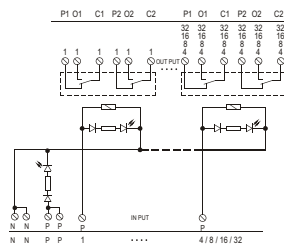
3.11

3.10

3.11



3.12



Ordering Information

Model Number Legend	
1	Number of Relays 4 or 8 or 16 or 32
2	Output Module O
3	No. of Contacts (2CO) 2
4	Connection (Detachable Screw Type Only) R
5	Coil Voltage 24 or 110 VDC or 115 or 230 VAC
6	Common Input + for Positive - for Negative

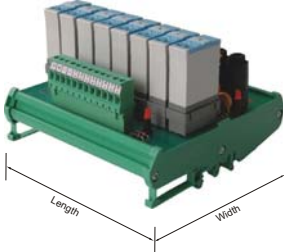
3

Standard Part Nos.			
Connection	Input / Output	Detachable Screw Connector	
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	4O2R24DC+	3.11	65
4 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	4O2R24DC-	3.10	65
4 Relay, Output Module, 2C/O, 110V DC Coil, Common Positive Input	4O2R110DC+	3.11	65
4 Relay, Output Module, 2C/O, 110V DC Coil, Common Negative Input	4O2R110DC-	3.10	65
4 Relay, Output Module, 2C/O, 115V AC Coil Input	4O2R115AC	3.12	65
4 Relay, Output Module, 2C/O, 230V AC Coil Input	4O2R230AC	3.12	65
8 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	8O2R24DC+	3.11	130
8 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	8O2R24DC-	3.10	130
8 Relay, Output Module, 2C/O, 110V DC Coil, Common Positive Input	8O2R110DC+	3.11	130
8 Relay, Output Module, 2C/O, 110V DC Coil, Common Negative Input	8O2R110DC-	3.10	130
8 Relay, Output Module, 2C/O, 115V AC Coil Input	8O2R115AC	3.12	130
8 Relay, Output Module, 2C/O, 230V AC Coil Input	8O2R230AC	3.12	130
16 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	16O2R24DC+	3.11	255
16 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	16O2R24DC-	3.10	255
16 Relay, Output Module, 2C/O, 110V DC Coil, Common Positive Input	16O2R110DC+	3.11	255
16 Relay, Output Module, 2C/O, 110V DC Coil, Common Negative Input	16O2R110DC-	3.10	255
16 Relay, Output Module, 2C/O, 115V AC Coil Input	16O2R115AC	3.12	255
16 Relay, Output Module, 2C/O, 230V AC Coil Input	16O2R230AC	3.12	255
32 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	32O2R24DC+	3.11	510
32 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	32O2R24DC-	3.10	510
32 Relay, Output Module, 2C/O, 110V DC Coil, Common Positive Input	32O2R110DC+	3.11	510
32 Relay, Output Module, 2C/O, 110V DC Coil, Common Negative Input	32O2R110DC-	3.10	510
32 Relay, Output Module, 2C/O, 115V AC Coil Input	32O2R115AC	3.12	510
32 Relay, Output Module, 2C/O, 230V AC Coil Input	32O2R230AC	3.12	510

3.12

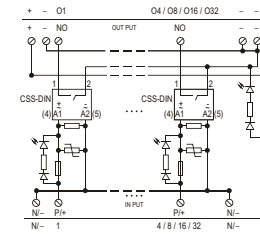
3

3.13

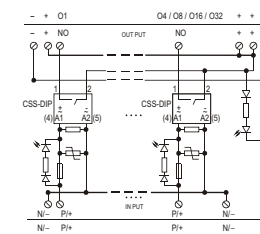
Standard 35 mm DIN Rail Mounting	Input Module with (SSR)1 N/O Contact with Fuse - 4, 8, 16, 32 Relays
Input : Detachable Screw Connector	
Output : Detachable Screw Connector	
All Relays are Socket (S10P) Mounted	
Relay : CSS DIP / CSS DIN	
Inputs are Polarised	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Inputs are provided with Fuse	
Fuse Blow Indication (Red LED)	
Input Data	
Input Status Indication LED Per Relay	Orange
Fuse Blow Indication Status LED	Red
Protection Fuse	100 mA
Output Data	
Contact Type	1 N/O Solid State Relay (SSR)
Board Power ON LED on Output Side	Red
Maximum Switching Voltage	32 VDC
Maximum Switching Current	100 mA
General Data	
Conductor Cross Section	Solid : 0.2 - 2.5 mm ² AWG 24 – 12
Insulation Stripping Length	7 mm
Module Length	126 mm
Module Height on DIN Rail	81 mm Max.
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	0° C to + 60° C
Relay Standard Features	Built in LED indicator (Orange) inside the Relay

3

3.13



3.14



3.14

3

Ordering Information						
□	□	□	□	□	□	Model Number Legend
1	2	3	4	5	6	
1	:	Number of Relays		4 or 8 or 16 or 32		
2	:	Input Module		I		
3	:	Connection Type (Detachable Screw Type Only)		R		
4	:	Fuse + Fuse Blow Indication		B		
5	:	Coil Voltage		24 or 110 VDC or 115 or 230 VAC		
6	:	Common Output		+ for Positive - for Negative		
Note 1 :- All the Solid State Relays have 1 NO Contact						
Note 2 :- Modules with Common +ve O/P have CSS DIP Relays						
Note 3 :- Modules with Common -ve O/P have CSS DIN Relays						

4.1

4.2

4.3

Ordering Information

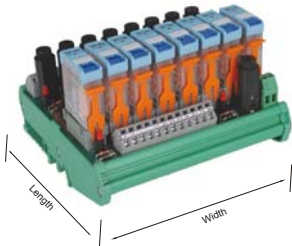
1	2	3	4	5	6	Model Number Legend
<div style="display: flex; justify-content: space-around; font-size: 1.2em;"> □ □ □ □ □ □ </div>						
1	:	Number of Relays				4 or 8 or 16 or 32
2	:	Output				O
3	:	No. of Contacts (1CO)				1
4	:	Connection type (Screwless Spring)				C
5	:	Coil Voltage				24 or 110 VDC or 115 or 230 VAC
6	:	Common Input				+ for Positive - for Negative

Standard Part Nos.			
Connection : Input / Output - Screwless Spring Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	401C24DC+	4.2	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	401C24DC-	4.1	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	401C110DC+	4.2	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	401C110DC-	4.1	65
4 Relay, Output Module, 1C/O, 115V AC Coil Input	401C115AC	4.3	65
4 Relay, Output Module, 1C/O, 230V AC Coil Input	401C230AC	4.3	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	801C24DC+	4.2	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	801C24DC-	4.1	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	801C110DC+	4.2	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	801C110DC-	4.1	130
8 Relay, Output Module, 1C/O, 115V AC Coil Input	801C115AC	4.3	130
8 Relay, Output Module, 1C/O, 230V AC Coil Input	801C230AC	4.3	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	1601C24DC+	4.2	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	1601C24DC-	4.1	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	1601C110DC+	4.2	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	1601C110DC-	4.1	250
16 Relay, Output Module, 1C/O, 115V AC Coil Input	1601C115AC	4.3	250
16 Relay, Output Module, 1C/O, 230V AC Coil Input	1601C230AC	4.3	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	3201C24DC+	4.2	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	3201C24DC-	4.1	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	3201C110DC+	4.2	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	3201C110DC-	4.1	500
32 Relay, Output Module, 1C/O, 115V AC Coil Input	3201C115AC	4.3	500
32 Relay, Output Module, 1C/O, 230V AC Coil Input	3201C230AC	4.3	500

4.6

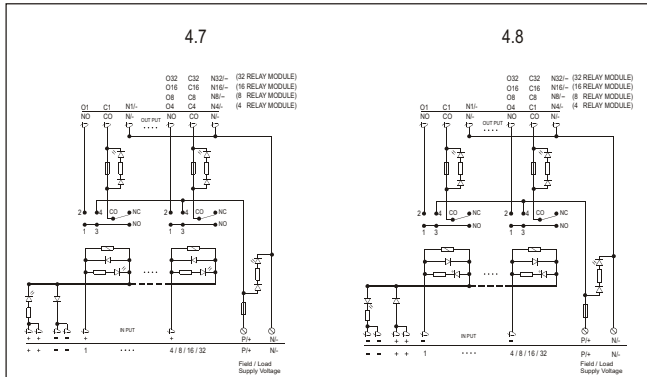
Standard Part Nos.			
Connection : Input / Output - Screwless Spring Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1CB24DC+ XXX	4.5	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1CB24DC- XXX	4.4	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	4O1CB110DC+ XXX	4.5	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	4O1CB110DC- XXX	4.4	65
4 Relay, Output Module, 1C/O, 115V AC Coil Input	4O1CB115AC XXX	4.6	65
4 Relay, Output Module, 1C/O, 230V AC Coil Input	4O1CB230AC XXX	4.6	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1CB24DC+ XXX	4.5	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1CB24DC- XXX	4.4	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	8O1CB110DC+ XXX	4.5	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	8O1CB110DC- XXX	4.4	130
8 Relay, Output Module, 1C/O, 115V AC Coil Input	8O1CB115AC XXX	4.6	130
8 Relay, Output Module, 1C/O, 230V AC Coil Input	8O1CB230AC XXX	4.6	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1CB24DC+ XXX	4.5	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1CB24DC- XXX	4.4	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	16O1CB110DC+ XXX	4.5	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	16O1CB110DC- XXX	4.4	250
16 Relay, Output Module, 1C/O, 115V AC Coil Input	16O1CB115AC XXX	4.6	250
16 Relay, Output Module, 1C/O, 230V AC Coil Input	16O1CB230AC XXX	4.6	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1CB24DC+ XXX	4.5	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1CB24DC- XXX	4.4	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	32O1CB110DC+ XXX	4.5	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	32O1CB110DC- XXX	4.4	500
32 Relay, Output Module, 1C/O, 115V AC Coil Input	32O1CB115AC XXX	4.6	500
32 Relay, Output Module, 1C/O, 230V AC Coil Input	32O1CB230AC XXX	4.6	500

4

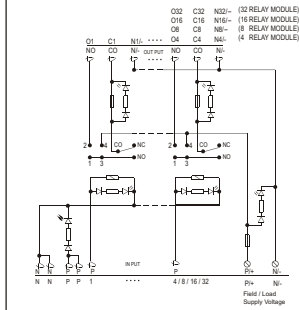
Standard 35 mm DIN Rail Mounting	Output Module 1 C/O Contact with Fuse & Jumper - 4, 8, 16, 32 Relays
Input : Screwless Spring Connector	
Output : Screwless Spring Connector	
All Relays are Socket (S10P) Mounted	
Relay : C10 A10X...VAC C10 A10 FX...VDC	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relay Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Jumper (Gold Plated) on Contact Side for Wet and Dry Contact Selection.	
Input Data	
Board Power ON LED	Red
Status Indication LED Per Relay	Green
Status Indication LED for Field Supply	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5 Amps
General Data	
Conductor Cross Section	Solid : 0.08 - 2.5 mm ² AWG 28 - 12
Insulation Stripping Length	5 - 6 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	-20°C to +60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label

4.7

4



4.9



Ordering Information

□ □ □ □ □ □ □ □ □ □	Model Number Legend
1 2 3 4 5 6 7 8 9	
1 : Number of Relays	4 or 8 or 16 or 32
2 : Output Module	O
3 : No. of Contacts (1CO)	1
4 : Connection type (Screwless Spring)	C
5 : Fuse + Fuse Blow Indication	B
6 : Jumper	J
7 : Coil Voltage	24 or 110 VDC or 115 or 230 VAC
8 : Common Input	+ for Positive - for Negative
9 : Field / Load Voltage [XXX]	24VDC or 115 or 230VAC

Note: Field / Load Voltage for Wet Contact only

Jumper Position	Output Terminals
Wet Contact	4-3 C1 (P/+), N1/-...
Dry Contact	1-2 O1..., C1...

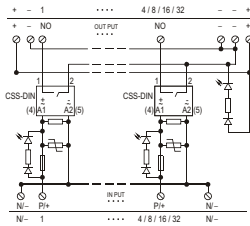
Relay Type : C10 A10X...VAC & C10 A10FX...VDC

Note- All the relays have Electronics built inside.

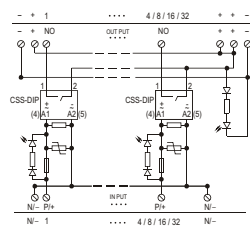
(X : LED, F : Free Wheeling & Polarity Diode)

Standard Part Nos.			
Connection : Input / Output - Screwless Spring Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	401CBJ24DC+ XXX	4.8	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	401CBJ24DC- XXX	4.7	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	401CBJ110DC+ XXX	4.8	65
4 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	401CBJ110DC- XXX	4.7	65
4 Relay, Output Module, 1C/O, 115V AC Coil Input	401CBJ115AC XXX	4.9	65
4 Relay, Output Module, 1C/O, 230V AC Coil Input	401CBJ230AC XXX	4.9	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	801CBJ24DC+ XXX	4.8	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	801CBJ24DC- XXX	4.7	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	801CBJ110DC+ XXX	4.8	130
8 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	801CBJ110DC- XXX	4.7	130
8 Relay, Output Module, 1C/O, 115V AC Coil Input	801CBJ115AC XXX	4.9	130
8 Relay, Output Module, 1C/O, 230V AC Coil Input	801CBJ230AC XXX	4.9	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	1601CBJ24DC+ XXX	4.8	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	1601CBJ24DC- XXX	4.7	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	1601CBJ110DC+XXX	4.8	250
16 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	1601CBJ110DC-XXX	4.7	250
16 Relay, Output Module, 1C/O, 115V AC Coil Input	1601CBJ115AC XXX	4.9	250
16 Relay, Output Module, 1C/O, 230V AC Coil Input	1601CBJ230AC XXX	4.9	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	3201CBJ24DC+ XXX	4.8	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	3201CBJ24DC- XXX	4.7	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Positive Input	3201CBJ110DC+XXX	4.8	500
32 Relay, Output Module, 1C/O, 110V DC Coil, Common Negative Input	3201CBJ110DC-XXX	4.7	500
32 Relay, Output Module, 1C/O, 115V AC Coil Input	3201CBJ115AC XXX	4.9	500
32 Relay, Output Module, 1C/O, 230V AC Coil Input	3201CBJ230AC XXX	4.9	500

4.13



4.14



Ordering Information

1	2	3	4	5	6	Model Number Legend
1	:	Number of Relays				4 or 8 or 16 or 32
2	:	Input Module				I
3	:	Connection type (Screwless Spring)				C
4	:	Fuse + Fuse Blow Indication				B
5	:	Coil Voltage				24 or 110 VDC or 115 or 230 VAC
6	:	Common Output				+ for Positive - for Negative

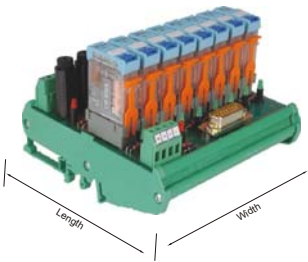
Note 1 :- All the Solid State Relays have 1 NO Contact
 Note 2 :- Modules with Common +ve O/P have CSS DIP Relays
 Note 3 :- Modules with Common -ve O/P have CSS DIN Relays

Standard Part Nos.			
Connection : Input / Output - Screwless Spring Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Positive Output	4ICB24DC +	4.14	65
4 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Negative Output	4ICB24DC -	4.13	65
4 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Positive Output	4ICB110DC +	4.14	65
4 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Negative Output	4ICB110DC -	4.13	65
4 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Positive Output	4ICB115AC +	4.14	65
4 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Negative Output	4ICB115AC -	4.13	65
4 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Positive Output	4ICB230AC +	4.14	65
4 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Negative Output	4ICB230AC -	4.13	65
8 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Positive Output	8ICB24DC +	4.14	130
8 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Negative Output	8ICB24DC -	4.13	130
8 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Positive Output	8ICB110DC +	4.14	130
8 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Negative Output	8ICB110DC -	4.13	130
8 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Positive Output	8ICB115AC +	4.14	130
8 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Negative Output	8ICB115AC -	4.13	130
8 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Positive Output	8ICB230AC +	4.14	130
8 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Negative Output	8ICB230AC -	4.13	130
16 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Positive Output	16ICB24DC +	4.14	250
16 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Negative Output	16ICB24DC -	4.13	250
16 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Positive Output	16ICB110DC +	4.14	250
16 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Negative Output	16ICB110DC -	4.13	250
16 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Positive Output	16ICB115AC +	4.14	250
16 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Negative Output	16ICB115AC -	4.13	250
16 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Positive Output	16ICB230AC +	4.14	250
16 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Negative Output	16ICB230AC -	4.13	250
32 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Positive Output	32ICB24DC +	4.14	500
32 Relay, Input Module, 1N/O, 24V DC Coil Input, Common Negative Output	32ICB24DC -	4.13	500
32 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Positive Output	32ICB110DC +	4.14	500
32 Relay, Input Module, 1N/O, 110V DC Coil Input, Common Negative Output	32ICB110DC -	4.13	500
32 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Positive Output	32ICB115AC +	4.14	500
32 Relay, Input Module, 1N/O, 115V AC Coil Input, Common Negative Output	32ICB115AC -	4.13	500
32 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Positive Output	32ICB230AC +	4.14	500
32 Relay, Input Module, 1N/O, 230V AC Coil Input, Common Negative Output	32ICB230AC -	4.13	500

5.3

Standard Part Nos.			
Connection : Input - D-Sub Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1D24DC+	5.2	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1D24DC-	5.1	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1D24DC+	5.2	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1D24DC-	5.1	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1D24DC+	5.2	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1D24DC-	5.1	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1D24DC+	5.2	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1D24DC-	5.1	500

5

Standard 35 mm DIN Rail mounting	Output Module with 1 C/O Contact with Fuse - 4, 8, 16, 32 Relays
Input : D-Sub Connector	
Output : Screw Connector	
Relays are Socket (S10P) Mounted	
Relay : C10 A10 - VAC / VDC.	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relays Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Input Data	
Board Power ON LED	Red
Status Indication LED Per relay	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5 Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 - 12 (Output Side)
Insulation Stripping Length	8 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm Max.
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	- 20°C to +60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label

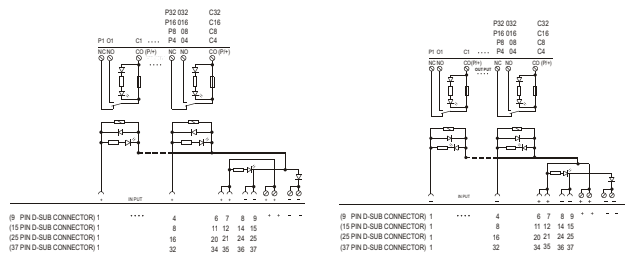
5.4

5

5.5

5.3

5.4



(9 P/N D-SUB CONNECTOR) 1 4 6 7 8 9
 (15 P/N D-SUB CONNECTOR) 1 8 11 12 14 15
 (25 P/N D-SUB CONNECTOR) 1 16 20 21 24 25
 (37 P/N D-SUB CONNECTOR) 1 32 34 35 36 37

(9 P/N D-SUB CONNECTOR) 1 4 6 7 8 9
 (15 P/N D-SUB CONNECTOR) 1 8 11 12 14 15
 (25 P/N D-SUB CONNECTOR) 1 16 20 21 24 25
 (37 P/N D-SUB CONNECTOR) 1 32 34 35 36 37

Ordering Information

□ □ □ □ □ □ □ XXX Model Number Legend
 1 2 3 4 5 6 7 8

- 1 : Number of Relays 4 or 8 or 16 or 32
- 2 : Output Module O
- 3 : No. of Contacts (1CO) 1
- 4 : Connection type (Input : D-Sub Connector) D
- 5 : Fuse + Fuse Blow Indication B
- 6 : Coil Voltage 24 VDC
- 7 : Common Input + for Positive - for Negative
- 8 : Load Voltage 24VDC or 115VAC or 230VAC

5

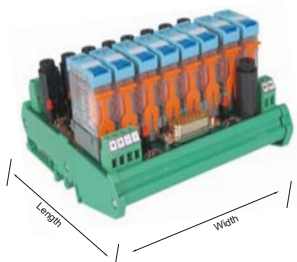
Standard Part Nos.

Connection : Input - D-Sub Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1DB24DC+ XXX	5.4	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1DB24DC- XXX	5.3	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1DB24DC+ XXX	5.4	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1DB24DC- XXX	5.3	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1DB24DC+ XXX	5.4	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1DB24DC- XXX	5.3	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1DB24DC+ XXX	5.4	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1DB24DC- XXX	5.3	500

5.6

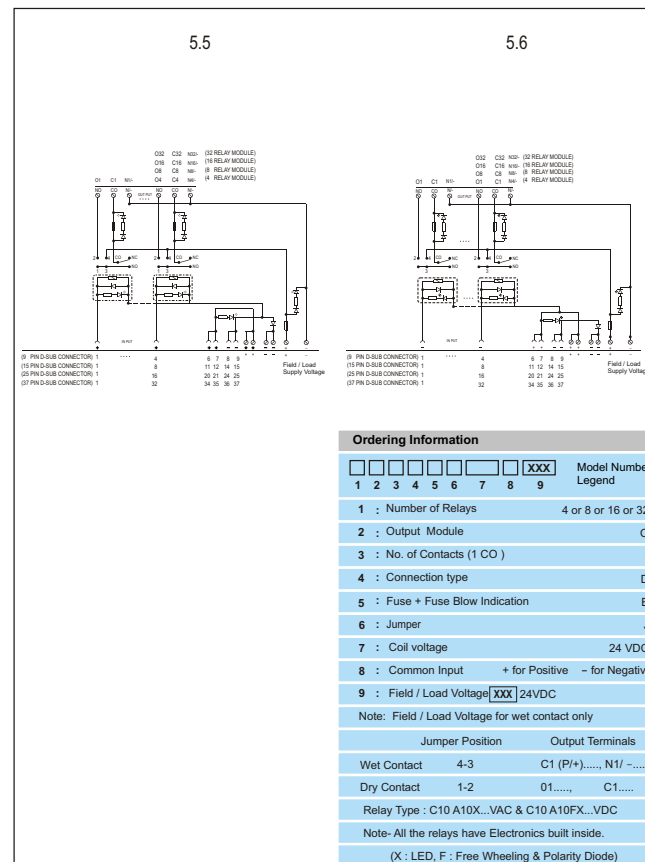
5

5.7

Standard 35 mm DIN Rail mounting	Output Module 1 C/O Contact with Fuse & Jumper - 4, 8, 16, 32 Relays
Input : D-Sub Connector	
Output : Screw Connector	
All Relays are Socket (S10P) Mounted	
Relay : C10 A10X... VAC C10 A10 FX...VDC	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relay Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Jumper (Gold Plated) on Contact Side for Wet and Dry Contact Selection	
Input Data	
Board Power ON LED	Red
Status Indication LED Per relay	Orange
Status Indication LED for Field Supply	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5 Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 – 12 (Output Side)
Insulation Stripping Length	8 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm Max.
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	- 20°C to +60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button,
	Lockable Test Button & Marking Label

5

5.5



5.6

Ordering Information

1	2	3	4	5	6	7	8	9	Model Number Legend						
<p>1 : Number of Relays 4 or 8 or 16 or 32</p> <p>2 : Output Module O</p> <p>3 : No. of Contacts (1 CO) 1</p> <p>4 : Connection type D</p> <p>5 : Fuse + Fuse Blow Indication B</p> <p>6 : Jumper J</p> <p>7 : Coil voltage 24 VDC</p> <p>8 : Common Input + for Positive - for Negative</p> <p>9 : Field / Load Voltage [XXX] 24VDC</p>															
<p>Note: Field / Load Voltage for wet contact only</p> <table border="1"> <tr> <td>Jumper Position</td> <td>Output Terminals</td> </tr> <tr> <td>Wet Contact 4-3</td> <td>C1 (P+),....., N1/ -.....</td> </tr> <tr> <td>Dry Contact 1-2</td> <td>01....., C1.....</td> </tr> </table> <p>Relay Type : C10 A10X...VAC & C10 A10FX...VDC</p> <p>Note- All the relays have Electronics built inside.</p> <p>(X : LED, F : Free Wheeling & Polarity Diode)</p>										Jumper Position	Output Terminals	Wet Contact 4-3	C1 (P+),....., N1/ -.....	Dry Contact 1-2	01....., C1.....
Jumper Position	Output Terminals														
Wet Contact 4-3	C1 (P+),....., N1/ -.....														
Dry Contact 1-2	01....., C1.....														

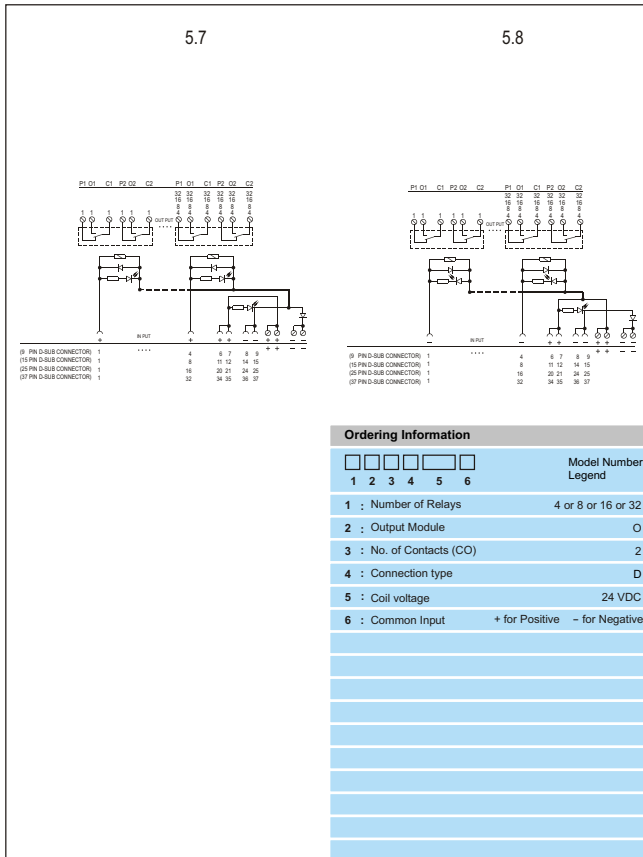
5.8

5

5.11

5.7

5.8



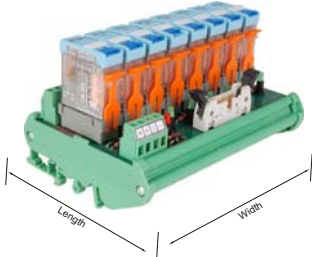
5

Standard Part Nos.			
Connection : Input- D-Sub Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	4O2D24DC+	5.8	65
4 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	4O2D24DC-	5.7	65
8 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	8O2D24DC+	5.8	130
8 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	8O2D24DC-	5.7	130
16 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	16O2D24DC+	5.8	250
16 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	16O2D24DC-	5.7	250
32 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	32O2D24DC+	5.8	500
32 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	32O2D24DC-	5.7	500

5.12

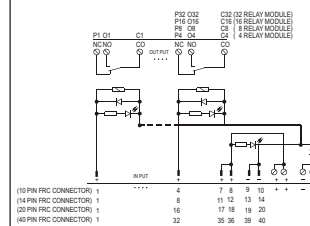
5

6.1

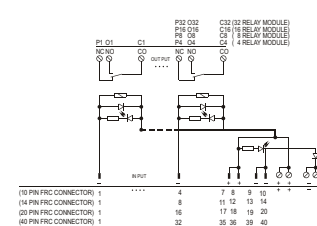
Standard 35 mm DIN Rail Mounting	Output Module with 1 C/O Contact - 4, 8, 16, 32 Relays
Input : Flat Ribbon Cable Connector	
Output : Screw Type Connector	
Relays are Socket (S10P) Mounted	
Relay : C10 A10...VAC / VDC.	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
	
Input Data	
Board Power ON LED	Red
Status Indication LED Per relay	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 – 12
Insulation Stripping Length	8 mm
Module Length	90 mm
Module Height on DIN Rail	80 mm
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	- 20°C to +60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button,
	Lockable Test Button & Marking Label

6

6.1



6.2



6.2

6

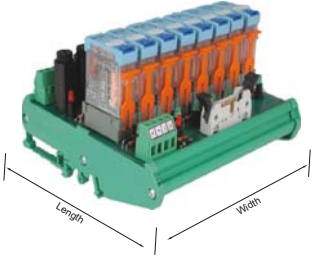
Ordering Information

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Model Number Legend	
1	2	3	4	5	6		
1	:					Number of Relays	4 or 8 or 16 or 32
2	:					Output	O
3	:					No. of Contacts (CO)	1
4	:					Connection type (FRC)	F
5	:					Coil voltage	24 VDC
6	:					Common Input	+ for Positive - for Negative

6.3

Standard Part Nos.			
Connection : Input - FRC Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1F24DC+	6.2	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1F24DC-	6.1	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1F24DC+	6.2	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1F24DC-	6.1	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1F24DC+	6.2	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1F24DC-	6.1	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1F24DC+	6.2	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1F24DC-	6.1	500

6

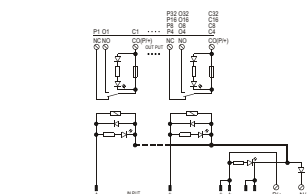
Standard 35 mm DIN Rail Mounting	Output Module with 1 C/O Contact with Fuse - 4, 8, 16, 32 Relays
Input : Flat Ribbon Cable Connector	
Output : Screw Type Connector	
Relays are Socket (S10P) Mounted	
Relay : C10 A10 ...VAC / VDC.	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relay Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Input Data	
Board Power ON LED	Red
Status Indication LED Per relay	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5 Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 - 12 Output Side
Insulation Stripping Length	8 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	- 20°C to +60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label

6.4

6

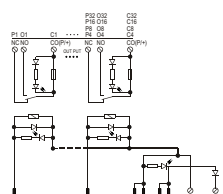
6.5

6.3



(10 PIN FRC CONNECTOR) 1
 (14 PIN FRC CONNECTOR) 1
 (20 PIN FRC CONNECTOR) 1
 (40 PIN FRC CONNECTOR) 1

6.4



(10 PIN FRC CONNECTOR) 1
 (14 PIN FRC CONNECTOR) 1
 (20 PIN FRC CONNECTOR) 1
 (40 PIN FRC CONNECTOR) 1

Ordering Information	
□ □ □ □ □ □ □ XXX	Model Number Legend
1 2 3 4 5 6 7 8	
1 : Number of Relays	4 or 8 or 16 or 32
2 : Output Module	O
3 : No. of Contacts (CO)	1
4 : Connection type (FRC)	F
5 : Fuse + Fuse Blow Indication	B
6 : Coil voltage	24 VDC
7 : Common Input	+ for Positive - for Negative
8 : Load Voltage XXX	24VDC or 115VAC or 230VAC

6

Standard Part Nos.

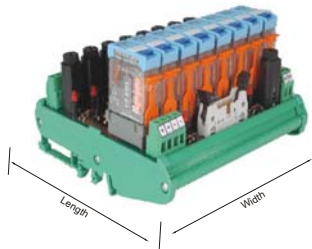
Connection : Input : FRC Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1FB24DC+ XXX	6.4	65
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1FB24DC- XXX	6.3	65
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1FB24DC+ XXX	6.4	130
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1FB24DC- XXX	6.3	130
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1FB24DC+ XXX	6.4	250
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1FB24DC- XXX	6.3	250
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1FB24DC+ XXX	6.4	500
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1FB24DC- XXX	6.3	500

6.6

6

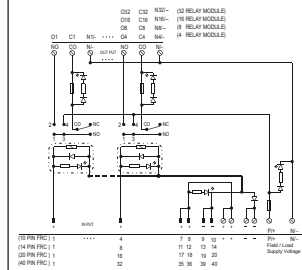
6.7

Standard 35 mm DIN Rail Mounting	Output Module 1 C/O Contact with Fuse & Jumper - 4, 8, 16, 32 Relays
Input : Flat Ribbon Cable Connection	
Output : Screw Type Connector	
Relays are Socket (S10P) Mounted	
Relay : C10 A10 X...VAC C10 A10 FX...VDC	
Input provided with Reverse Polarity Protection for Relays with DC Coils.	
Other Coil Voltages are available on request.	
Customised Modules available on request.	
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.	
Relay Module with Fuse in series with Change Over Contact of Relay	
Fuse Blow Indication (Red LED)	
Jumper (Gold Plated) on Contact Side for Wet and Dry Contact Selection	
Input Data	
Board Power ON LED	Red
Status Indication LED Per relay	Orange
Status Indication LED for Field Supply	Green
Output Data	
Contact Type	SPDT
Maximum Switching Voltage	240 VAC / 24 VDC
Maximum Switching Current	10 Amps
Fuse Blow Indication Status LED	Red
Protection Fuse	5 Amps
General Data	
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 – 12 Output Side
Insulation Stripping Length	8 mm
Module Length	126 mm
Module Height on DIN Rail	80 mm
Dielectric Strength	2.5 KV between Input and Output of Relay Module
Operating Temperature Range	-20°C to + 60° C
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button,
	Lockable Test Button & Marking Label

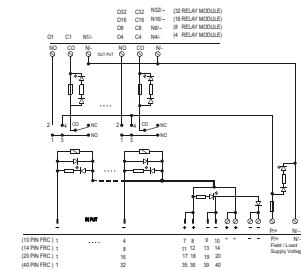


6

6.5



6.6



6.8

6

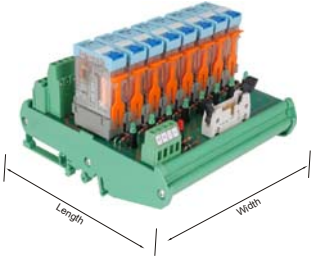
Ordering Information

1	2	3	4	5	6	7	8	9	Model Number Legend
1	2	3	4	5	6	7	8	9	
1	: Number of Relays								4 or 8 or 16 or 32
2	: Output Module								O
3	: No. of Contacts (CO)								1
4	: Connection Type (FRC)								F
5	: Fuse + Fuse Blow Indication								B
6	: Jumper								J
7	: Coil voltage								24 VDC
8	: Common Input								+ for Positive - for Negative
9	: Field / Load Voltage [XXX]								24VDC or 115 or 230VAC
Note: Field / Load Voltage for wet contact only									
Jumper Position Output Terminals									
Wet Contact	4-3	C1 (P/+), N1/ -....							
Dry Contact	1-2	01...., C1....							
Relay Type : C10 A10X...VAC & C10 A10FX...VDC									
Note- All the relays have Electronics built inside.									
(X : LED, F : Free Wheeling & Polarity Diode)									

6.9

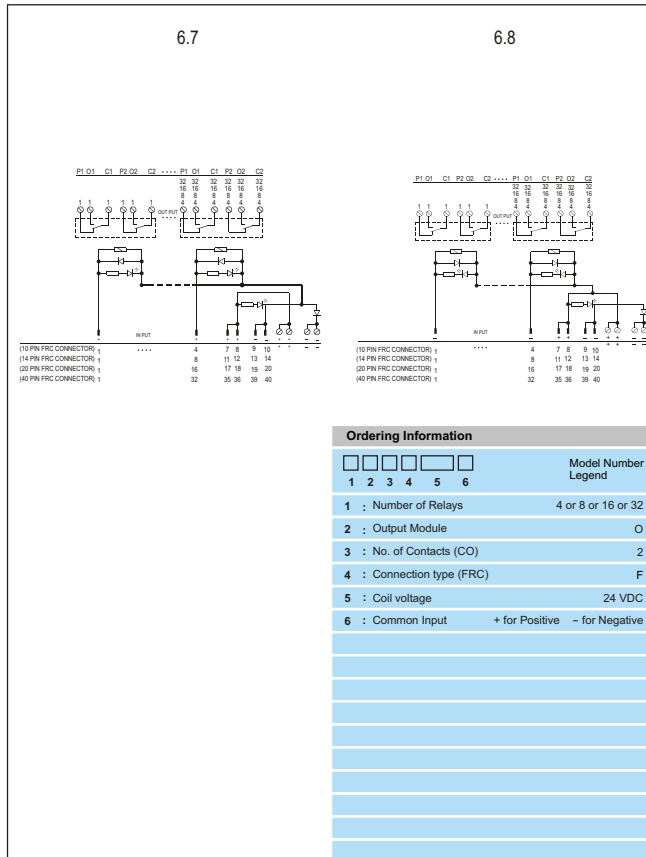
Standard Part Nos.				
Connection : Input: FRC Connector				
Description	Part No.	Wiring Diagram	Width in mm	
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	4O1FBJ24DC+ XXX	6.6	65	
4 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	4O1FBJ24DC- XXX	6.5	65	
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	8O1FBJ24DC+ XXX	6.6	130	
8 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	8O1FBJ24DC- XXX	6.5	130	
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	16O1FBJ24DC+ XXX	6.6	250	
16 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	16O1FBJ24DC- XXX	6.5	250	
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Positive Input	32O1FBJ24DC+ XXX	6.6	500	
32 Relay, Output Module, 1C/O, 24V DC Coil, Common Negative Input	32O1FBJ24DC- XXX	6.5	500	

6

Standard 35 mm DIN Rail Mounting		Output Module with 2 C/O Contacts - 4, 8, 16, 32 Relays
Input : Flat Ribbon Cable Connection		
Output : Screw Type Connector		
Relays are Socket (S12P) Mounted		
Relay : C12 A21...VAC / VDC		
Input provided with Reverse Polarity Protection for Relays with DC Coils.		
Other Coil Voltages are available on request.		
Customised Modules available on request.		
Relays with Gold Plated (3 microns) Bifurcated Contacts available on request.		
Input Data		
Board Power ON LED	Red	
Status Indication LED Per relay	Green	
Output Data		
Contact Type	DPDT	
Maximum Switching Voltage	240 VAC / 24 VDC	
Maximum Switching Current	5 Amps	
General Data		
Conductor Cross Section	Solid : 0.2 - 4 mm ² AWG 24 - 12 (Output side)	
Insulation Stripping Length	8 mm	
Module Length	126 mm	
Module Height on DIN Rail	80 mm	
Dielectric Strength	2.5 KV between Input and Output of Relay Module	
Operating Temperature Range	-20°C to + 60° C	
Relay Standard Features	Mechanical Flag Indicator, Manual Push Button, Lockable Test Button & Marking Label	

6.10















6



Standard Part Nos.			
Connection : Input: FRC Connector			
Description	Part No.	Wiring Diagram	Width in mm
4 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	4O2F24DC+	6.8	65
4 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	4O2F24DC-	6.7	65
8 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	8O2F24DC+	6.8	130
8 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	8O2F24DC-	6.7	130
16 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	16O2F24DC+	6.8	250
16 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	16O2F24DC-	6.7	250
32 Relay, Output Module, 2C/O, 24V DC Coil, Common Positive Input	32O2F24DC+	6.8	500
32 Relay, Output Module, 2C/O, 24V DC Coil, Common Negative Input	32O2F24DC-	6.7	500

Symbols

7.1

1.  Screw Connector
2.  Screwless Spring Connector
3.  Flat Ribbon Connector
4.  D SUB Connector
5.  Diode
6.  LED
7.  Resistor
8.  Coil
9.  Fuse
10.  Varistor
11.  Connection
12.  NC - Normally Closed Contact
13.  NO - Normally Open Contact
14.  CO - Change Over / Movable Contact
15. N Neutral
16. P Phase
17. + Positive of Power Supply
18. - Negative of Power Supply

Note : The Specifications are subject to change without prior notice in the scope of product improvement.