

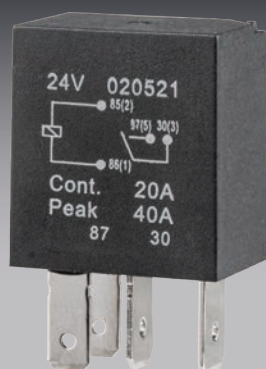
Relays & Solenoids



Relays & Solenoids

	Micro	144
	Micro – 280 Series	145
	Solid State	148
	Mini	149
	Latching	155
	Timer	156
	High Current	160
	Specials	164
	Flasher Units	165
	Solenoids	166

Relays & Solenoids



PM1424



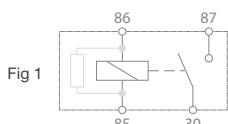
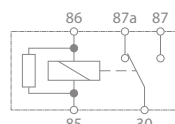
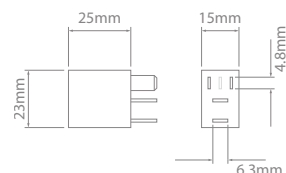
- Most models resistor protected.
- N/O or C/O contact configurations.
- 12V or 24V models available.
- Environmentally sealed – IP54
- Full range of accessories available.
- Broad operating temperature.

Contacts :
Body :
Ingress Protection :
Approvals :
Operating Temperature :

Silver Alloy
Polymer
IP54
CSA, RoHS
-40°C to 125°C



PM2512R

Fig 1
4 Terminal – Normally Open (N/O)Fig 2
5 Terminal – Change Over (C/O)

Micro

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Protection	Fig	Note
PM1412R	12	40	N/O	4	Resistor	1	
PM1424R	24	20	N/O	4	Resistor	1	
PM1424 NEW	24	20	N/O	4	—	1	Epoxy sealed base
PM2512R	12	10/20	C/O	5	Resistor	2	
PM2524R	24	5/10	C/O	5	Resistor	2	



47002, 47002/100



47102/10



47003



47103/10



42282-2



281197-2

Micro – Accessories

Part No.	Description	Cable Size (mm ²)	Pack Qty
47002	Micro relay base. Interlocking base with mounting bracket	—	1
47002/100	Micro relay base. Interlocking base with mounting bracket	—	100
47102/10	Micro relay base kit. Interlocking base with mounting bracket Kit contents: 10 x Bases (47002), 20 x AMP™ Terminals (42282-2), 30 x AMP™ Terminals (281197-2)	0.8 – 2.0	10
47003	Micro relay base	—	1
47103/10	Micro relay base kit Kit contents: 10 x Bases (47003), 20 x AMP™ Terminals (42282-2), 30 x AMP™ Terminals (281197-2)	0.8 – 2.0	10
42282-2	AMP™ Terminal – 6.3mm	0.8 – 2.0	100
281197-2	AMP™ Terminal – 4.8mm	1 – 2.5	100

Relays & Solenoids

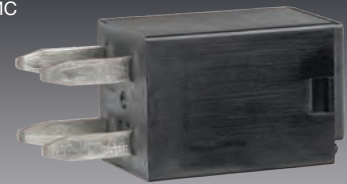
Micro – 280 Series

- Resistor protected.
- N/O or C/O contact configurations.
- 12V or 24V models available.
- Full range of accessories available.
- Broad operating temperature.

Protection :
Contacts :
Body :
Approvals :
Operating Temperature :

Resistor
Silver Alloy
Polymer
RoHs
-40°C to 125°C

PB1412RMC



PB1524RMC

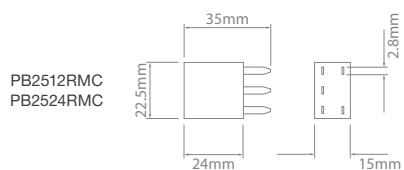
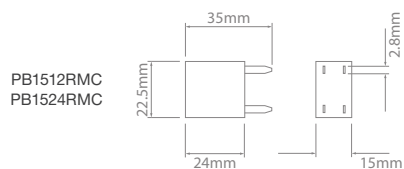
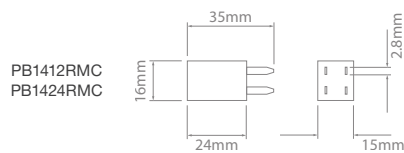
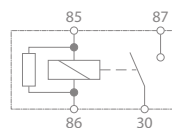


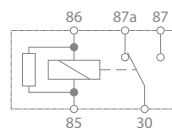
Fig 1



4 Terminal
Normally Open (N/O)



Fig 2



5 Terminal
Change Over (C/O)



Micro – 280 Series

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Fig
PB1412RMC	12	20	N/O	4	1
PB1424RMC	24	10	N/O	4	1
PB1512RMC NEW	12	20	N/O	4	1
PB1524RMC NEW	24	15	N/O	4	1
PB2512RMC	12	20	C/O	5	2
PB2524RMC	24	10	C/O	5	2

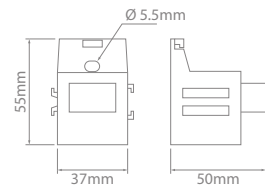


Relays & Solenoids

PA66 bases feature interconnecting guides allowing bases to be easily joined



Watertight seal included in the FH602 & FH603 kits



Watch video



Watch a hands-on video showcasing the holders and kit combinations.
See more product videos on the ionnic YouTube channel.

Shown with a Microplex CAN Controller mounted securely.
For more info on IONNIC's Microplex CAN Controllers visit ionnic.com or contact your nearest reseller.

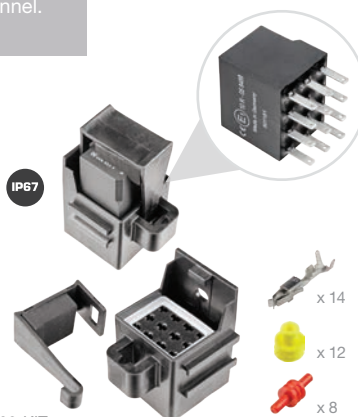
Shown with 2 x micro 280 series relays mounted securely



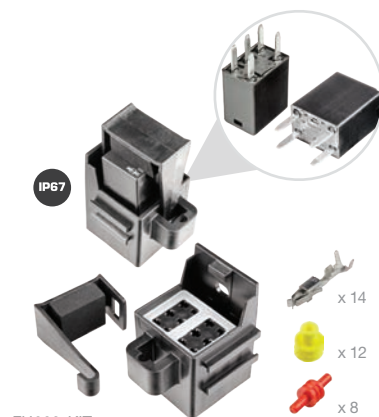
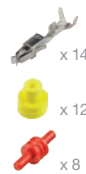
Shown with fuses, circuit breaker and 280 Series relay



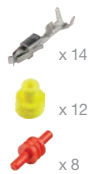
FH601-KIT



FH602-KIT



FH603-KIT



Micro – 280 Series – Fuse & Relay Holder Kits NEW

FH601-KIT



- 1 x Mounting Base
- 14 x Terminals (929939-3)
- 12 x Wire Seal (281934-2)

FH602-KIT



- 1 x Mounting Base
- 1 x Seal
- 1 x Locking Bracket
- 14 x Terminals (929939-3)
- 12 x Wire Seal (281934-2)
- 8 x Cavity Plug (WS1008)

FH603-KIT



- 1 x Mounting Base
- 1 x Seal – Twin
- 1 x Locking Bracket
- 14 x Terminals (929939-3)
- 12 x Wire Seal (281934-2)
- 8 x Cavity Plug (WS1008)

Melting temperature: 260°C



927779-3



929939-3



WS1009



WS1007



5021SY



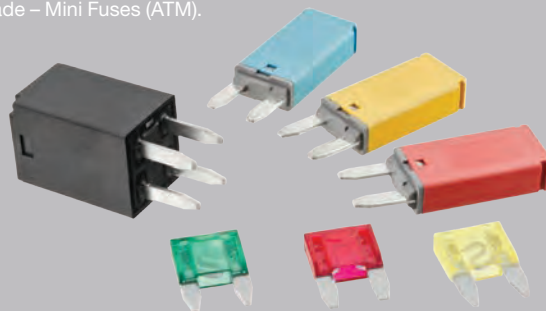
WS1008

Micro – 280 Series – Fuse & Relay Holder Accessories NEW

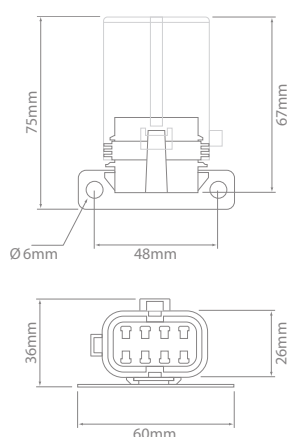
Part No.	Description	Blade Size (mm)	Wire Size (mm ²)	Cable O.D. Range (mm)	Pack Qty
927779-3/100	Terminal	2.8	0.5 – 1.0	1.4 – 2.3	100
929939-3/100	Terminal	2.8	0.5 – 1.0	1.4 – 3.4	100
WS1009/100	Wire Seal – Ø 5.2mm. Blue			1.2 – 1.7	100
WS1007/100	Wire Seal – Ø 5.2mm. Red			2.2 – 2.85	100
5021SY/100	Wire Seal – Ø 5.7mm. Yellow			1.7 – 2.4	100
WS1008/100	Cavity Plug – Ø 5.2mm. Burgundy			—	100

Mini Electrical Centre is compatible with:

- IONNIC Micro 280 Series Relays.
- Bussmann Mini (ATM) Blade Circuit Breakers.
- Blade – Mini Fuses (ATM).



For more info on IONNIC's circuit breakers & fuses visit ionnic.com or contact your nearest reseller.



FH09



Shown with various relay and fuses fitted



P-12077411/100



P-15324982/100



P-12129493/100



P-15324980/100



P-12010300/100

Micro – 280 Series – Mini Electrical Centre Kit

Part No.	Description	Colour	Cable Size (mm ²)	Pack Qty
FH09	Mini Electrical Centre kit	—	0.8 – 1	1
Kit contents: 1 x Base & Cover, 8 x Terminals (12077411), 8 x Wire Seals (15324982)				
P-12077411/100	Terminal – 2.8mm	—	0.8 – 1	100
P-15324982/100	Wire Seal	Green	0.8 – 1	100
P-12129493/100	Terminal – 2.8mm	—	1 – 2	100
P-15324980/100	Wire Seal	Grey	1 – 2	100
P-12010300/100	Cavity Plug	Green	—	100

Terminal and Seals are products of Packard™.



Relays & Solenoids

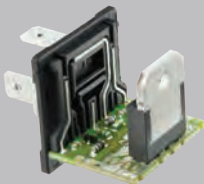


12V
24V

- Solid state reliability.
- Multi-voltage.
- Fast switching speed.
- Silent operation.
- No moving parts.
- Replacement to mechanical relays.
- SY4086 high current model.

Voltage : 12-24V
Body : Polymer
Ingress Protection : IP5K4

PE Series



No moving parts, no contacts

Solid State Relays

Solid state relays have no moving parts, eliminating failures normally associated with conventional mechanical switching relays.

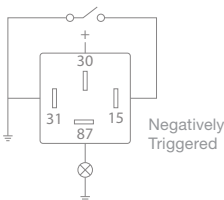
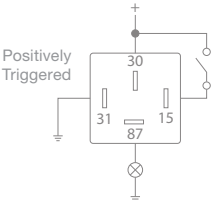
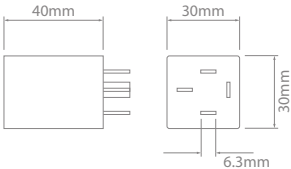
Rated up to 100A, solid state relays provide faster switching time, improved reliability and the convenience of 12-24V operation.



IP5K4



PE Series

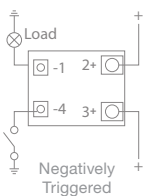
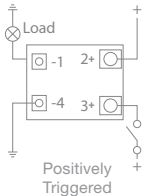
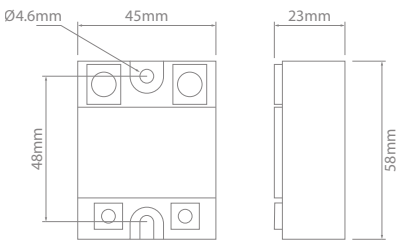


RoHS



LED indicator

SY4086



Solid State

Part No.	Voltage	Switching	Current Rating (A)		Supply Current (mA)	
			Continuous	Max. Surge @ 10ms	Off State	On State
PE14-10P	12-24	Positive	10	35	0.5	5
PE14-25P	12-24	Positive	25	100	0.5	5
PE14-10N	12-24	Negative	10	35	0.5	5
PE14-25N	12-24	Negative	25	100	0.5	5
SY4086	12-24	Positive/Negative	100	260	0.1	28

For accessories see page 159.

Relays & Solenoids

- Weatherproof Mini relays are environmentally sealed – IP67.
- Most models resistor protected.
- Full range of accessories available, found on page 152 & 163.
- Models available with mounting bracket.

Contacts : Silver Alloy
Body : Polymer
Operating Temperature : -40°C to 125°C



Mini

IP54

RoHS



P1424R



P1524



P2512R



P3512R

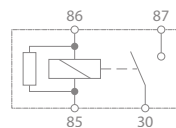
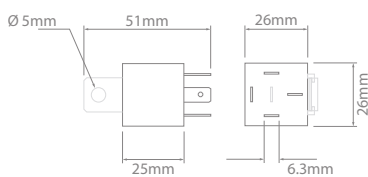


Fig 1

4 Terminal –
Normally Open (N/O)

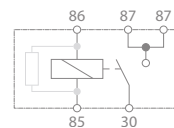


Fig 2

5 Terminal –
Normally Open (N/O)

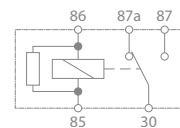


Fig 3

5 Terminal –
Change Over (C/O)

Mini – General

Part No.	Pack Qty – 200	Voltage	Current Rating (A)	Contact Type	Terminals	Mounting Bracket	Fig
P1424R	P1424R/200	24	40	N/O	4	Removable	1
P1512R	P1512R/200	12	40	N/O	5	Removable	2
P1524*	P1524/200*	24	20	N/O	5	Removable	2
P2512R	P2512R/200	12	40/30	C/O	5	Removable	3
P2524R	P2524R/200	24	40/30	C/O	5	Removable	3
P3512R	—	12	40/30	C/O	5	—	3

For accessories see page 152 & 163.

*No resistor.



Relays & Solenoids



P1512RWP



P1512RWP-KIT

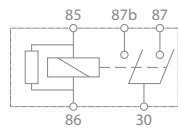
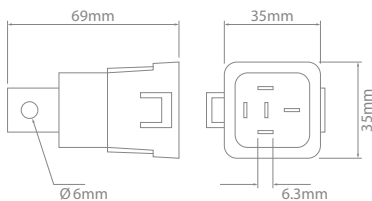


Fig 1

5 Terminal – Normally Open (N/O)

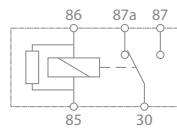


Fig 2

5 Terminal – Change Over (C/O)

Mini – Weatherproof

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Mounting Bracket	Fig
P1512RWP	12	2 x 30	N/O	5	Removable	1
P1524RWP	24	2 x 10	N/O	5	Removable	1
P2512RWP	12	50/30	C/O	5	Removable	2
P2524RWP	24	20/15	C/O	5	Removable	2
P1512RWP-KIT	12V N/O Weatherproof Relay Kit			Kit contents: 1 x Mini Weatherproof Relay 1 x Base Connector (12065685) 1 x Sealing Blank (114017) 2 x Terminals 1–2mm² (12066614L) 3 x Terminals 2–3mm² (12033997L)		
P1524RWP-KIT	24V N/O Weatherproof Relay Kit					
P2512RWP-KIT	12V C/O Weatherproof Relay Kit					
P2524RWP-KIT	24V C/O Weatherproof Relay Kit					



Mini – Weatherproof – Relay Base

Part No.	Pack Qty – 10	Pack Qty – 400	Terminal Type	Cavities	Terminal (6.3mm)
P-12065685	P-12065685/10	P-12065685-BULK	Pull-to-Seat	5	Sockets



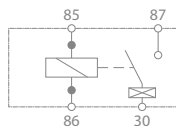
P-12066614



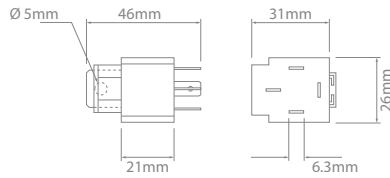
P-12033997

Mini – Weatherproof – Terminals

Pack Qty – 100	Bulk Pack	Bulk Qty	Terminal Type	Cable Size (mm ²)
P-12066614/100	P-12066614-BULK	2000	Packard™ Terminal with pull to seat locking tab – 6.3mm	1 – 2
P-12033997/100	P-12033997-BULK	1800	Packard™ Terminal with pull to seat locking tab – 6.3mm	3.0



4 Terminal –
Normally Open (N/O)



P141230



P142415

Mini – Fused

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Mounting Bracket
P141230	12	30	N/O	4	Removable
P142415	24	15	N/O	4	Removable

For accessories see page 152 & 163.

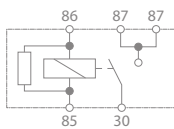


Fig 1
5 Terminal –
Normally Open (N/O)

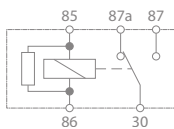
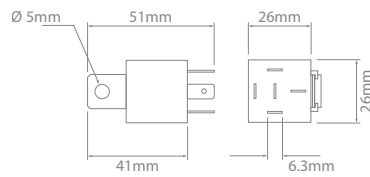


Fig 2
5 Terminal –
Change Over (C/O)



PB2512R



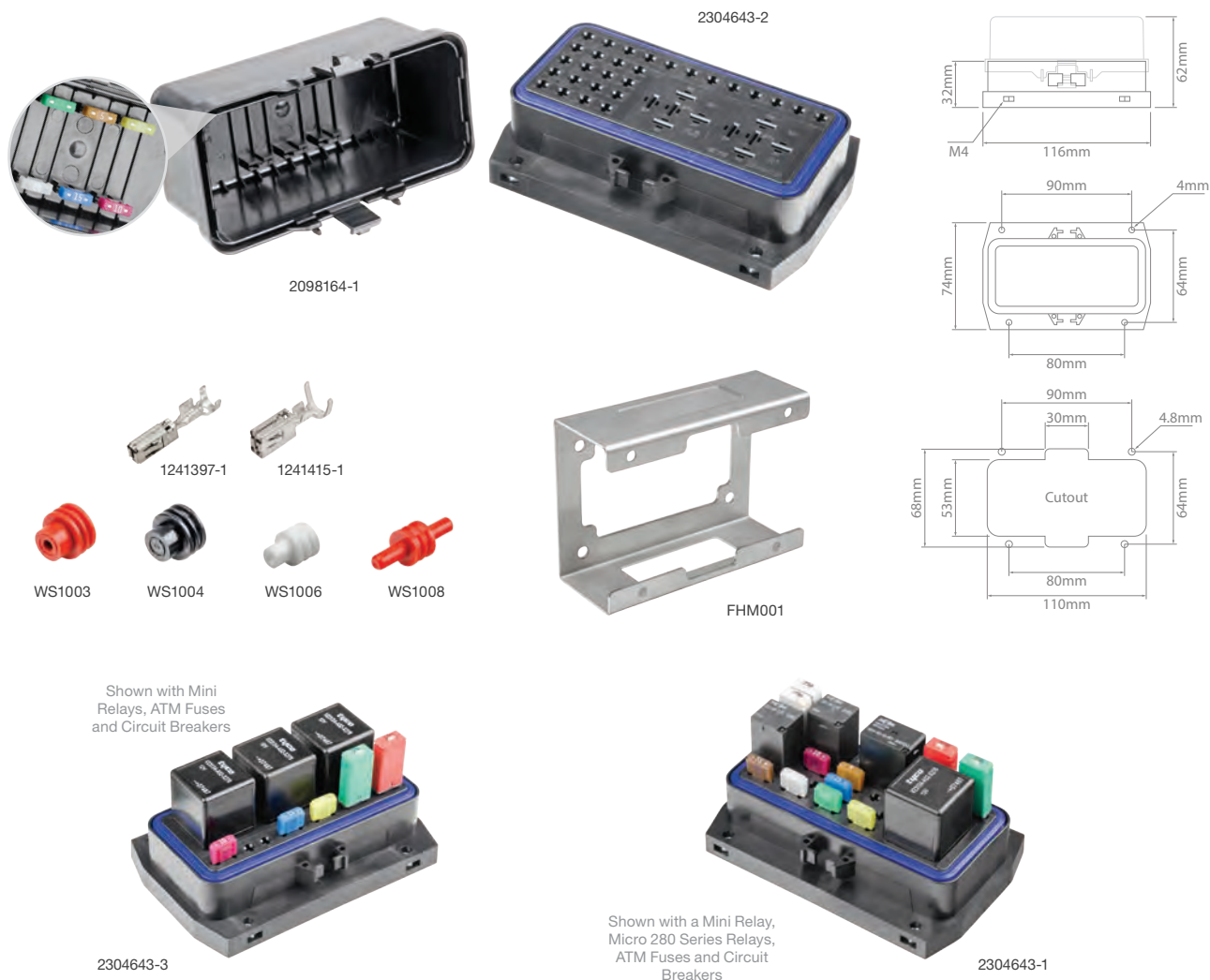
PB2524R

Mini – PB Series

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Mounting Bracket	Fig
PB1512R	12	30	N/O	5	Removable	1
PB1524R	24	20	N/O	5	Removable	1
PB2512R	12	50/30	C/O	5	Removable	2
PB2524R	24	20/15	C/O	5	Removable	2

For accessories see page 152 & 163.

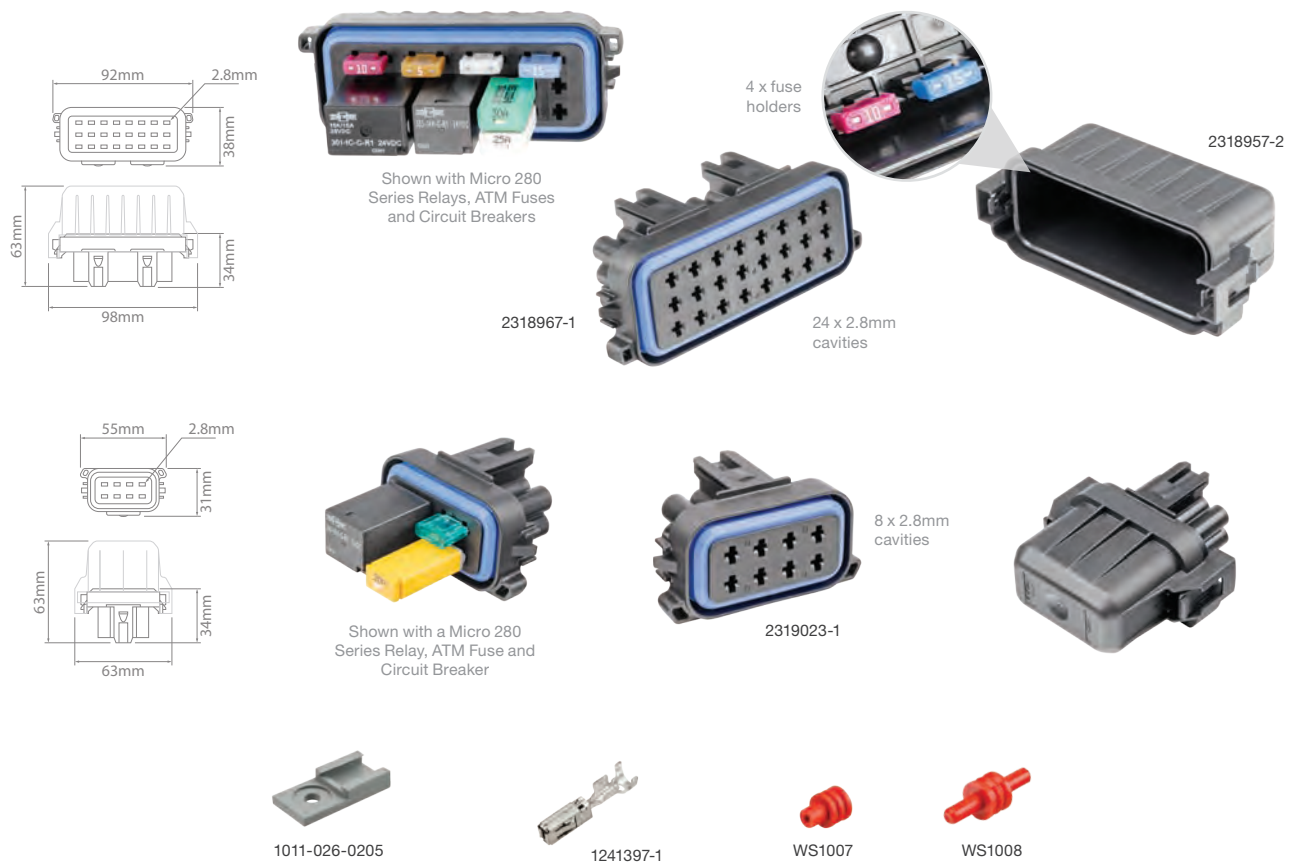
Relays & Solenoids



Fuse & Relay Enclosure Kits – 2.8mm & 6.3mm Cavities NEW

Part No.	Cavities		Suits	Kit Contents	
FH301	60 x 2.8mm		Micro – 280 Series, Mini	1 x Housing (2304643-4) 1 x Cover (2098164-1) 1 x Mount (FHM001)	60 x Seals (WS1006) 20 x Seals (WS1008) 60 x Terminals (1241397-1)
FH302	49 Total 44 x 2.8mm 5 x 6.3mm		Micro – 280 Series, Mini	1 x Housing (2304643-1) 1 x Cover (2098164-1) 1 x Mount (FHM001) 5 x Seals (WS1003) 1 x Seals (WS1004)	44 x Seals (WS1006) 12 x Seals (WS1008) 44 x Terminals (1241397-1) 5 x Terminals (1241415-1)
FH303	38 Total 28 x 2.8mm 10 x 6.3mm		Micro – 280 Series, Mini	1 x Housing (2304643-2) 1 x Cover (2098164-1) 1 x Mount (FHM001) 10 x Seals (WS1003) 2 x Seals (WS1004)	28 x Seals (WS1006) 10 x Seals (WS1008) 28 x Terminals (1241397-1) 10 x Terminals (1241415-1)
FH304	27 Total 12 x 2.8mm 15 x 6.3mm		Micro – 280 Series, Mini	1 x Housing (2304643-3) 1 x Cover (2098164-1) 1 x Mount (FHM001) 15 x Seals (WS1003) 3 x Seals (WS1004)	22 x Seals (WS1006) 12 x Seals (WS1008) 44 x Terminals (1241397-1) 15 x Terminals (1241415-1)

Relays & Solenoids



Fuse & Relay Enclosure Kits – 2.8mm Cavities NEW

Part No.	Cavities		Suits	Kit Contents	
FH305	24 x 2.8mm		Micro – 280 Series	1 x Housing (2318967-1) 1 x Cover (2318957-2) 24 x Seals (WS1007)	6 x Cavity Plugs (WS1008) 24 x Terminals (1241397-1) 2 x Mounts (1011-026-0205)
FH306	8 x 2.8mm		Micro – 280 Series	1 x Housing (2319023-1) 1 x Cover (2319021-2) 8 x Seals (WS1007)	2 x Cavity Plugs (WS1008) 8 x Terminals (1241397-1) 1 x Mount (1011-026-0205)



Fuse & Relay Enclosure Kits – Seals & Cavity Plugs NEW

Pack Qty – 100	Description	Connector Cavity Ø (mm)	Cable O.D. Range (mm)	Colour
P-15324976/100	Wire Seal	5.2	1.6 – 2.5	White
WS1007/100	Wire Seal	5.2	2.2 – 2.85	Red
WS1003/100	Wire Seal	8.5	2.3 – 2.9	Red
WS1008/100	Cavity Plug	5.2	–	Burgundy
WS1004/100	Cavity Plug	8.5	–	Black



Relays & Solenoids



1011-026-0205



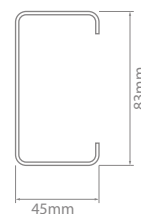
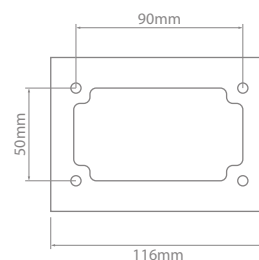
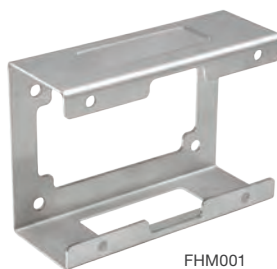
1027-003-1200, 1027-005-1200



1027-008-1200



FHM001



Fuse & Relay Enclosure Kits – Mounts NEW

Part No.	Mounting Hole Ø (mm)	Mounting Direction	Material	Suits
1011-026-0205	5	Straight	Thermoplastic	8 & 24 cavity housings
1027-003-1200	11	Straight	Stainless steel	8 & 24 cavity housings
1027-005-1200	13	Straight	Stainless steel	8 & 24 cavity housings
1027-008-1200	11	Side	Zinc	8 & 24 cavity housings
FHM001	—	—	Stainless steel	60, 49, 38 & 27 cavity housings



1241395-1,
968875-1



1241397-1,
968876-1



1241415-1



1241417-1

Single Wire Sealing System

Terminals crimp directly to seals



Terminals – TE MCP – Single Wire Sealing System NEW

Pack Qty – 100	Pack Qty – Reel	Reel Qty	Type	Blade Size (mm)	Wire Size (mm ²)	Locking Tab
1241395-1/100	1241394-1-BULK	3500	Receptacle	2.8	0.5 – 1.0	Yes
968875-1/100	—	—	Receptacle	2.8	0.5 – 1.0	Yes
1241397-1/100	1241396-1-BULK	3500	Receptacle	2.8	1.0 – 2.5	Yes
968876-1/100	—	—	Receptacle	2.8	1.0 – 2.5	Yes
1241415-1/100	1241414-1-BULK	1500	Receptacle	4.8 & 6.3	1.0 – 2.5	Yes
1241417-1/50	1241416-1-BULK	1500	Receptacle	4.8 & 6.3	2.5 – 4.0	Yes

Relays & Solenoids

- High current relay with magnetic latched switching.
- Reversed polarity pulse signal to change state.
- Low power consumption – short pulse of energy applied to the coil to change the switching state.
- Single coil with plus potential for set, invert polarity for reset.
- 70A continuous current.
- Broad operating temperature.

NEW

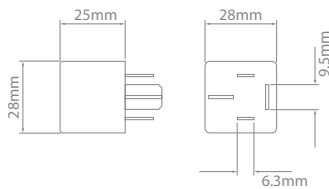


Latching

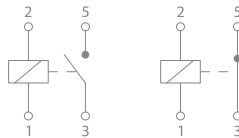
Voltage : 12V
 Contact : Silver Alloy
 Contact Switching Current : 1000mA @ 5V
 Body : Glass Reinforced Nylon
 Ingress Protection : IP54
 Approvals : RoHS
 Operating Temperature : -40°C to 125°C

IP54

RoHS

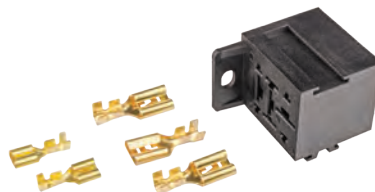


4 Terminal – Normally Open (N/O)



Latching NEW

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals
P1412FF	12	70 @ 85°C	N/O	4



Latching – Relay Base Kit NEW

Part No.	Description
47105/1	Relay base kit with mounting bracket

Not a TE product

Kit Contents:

- 1 x Base
- 3 x AMP™ 9.5mm Terminals (280756-4)
- 2 x AMP™ 6.3mm Terminals (42282-2)



Relays & Solenoids

Timer



- Programmable time periods.
- Compact design.
- 10A switching current on most units.

Protection :
Body :
Resistor :
Polymer

Adjustable Timer

Delay Type

0:	OFF = 0.5 sec	- 10 sec
1:	OFF = 5 sec	- 60 sec
2:	OFF = 30 sec	- 10 min
3:	OFF = 5 min	- 60 min
4:	OFF = 30 min	- 6 hrs
5:	ON = 30 min	- 6 hrs
6:	ON = 5 min	- 60 min
7:	ON = 30 sec	- 10 min
8:	ON = 5 sec	- 60 sec
9:	ON = 0.5 sec	- 10 sec

Delay Type

Increase Time

Decrease Time

Silicone lip for enhanced sealing

Adjustable Time

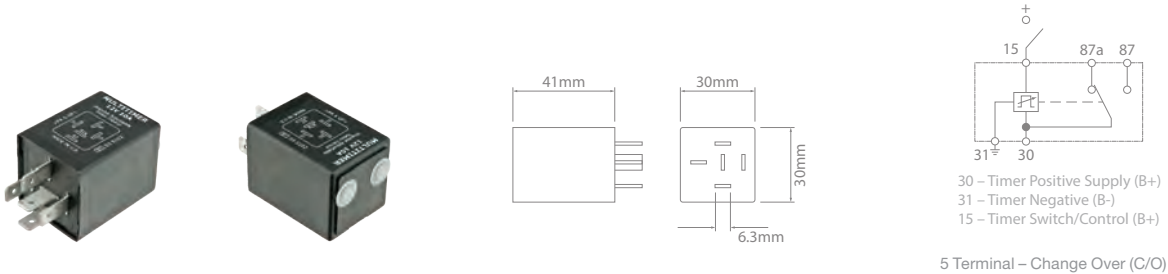
Delay ON

Activation (+)

Adjustable Time

Delay OFF

Activation (+)



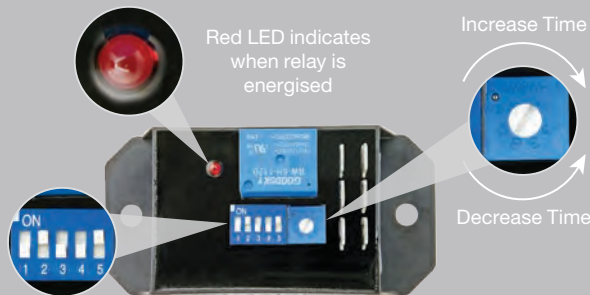
Timer – Adjustable

Part No.	Function	Voltage	Current Rating (A)	Time Delay
PT40-205	Delayed turn OFF or Delayed turn ON	12	10	0.5 sec to 6 hrs
PT40-405	Delayed turn OFF or Delayed turn ON	24	10	0.5 sec to 6 hrs

For accessories see page 136.

Relays & Solenoids

Multifunction



Switch

- 1: OFF = Delay ON
- 2: OFF = Once only
- 3: OFF = Seconds
- 4: OFF = 1-30 Time
- 5: OFF = 24V

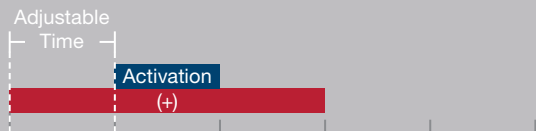
- ON = Instant ON – Delay OFF
- ON = Cycle ON–OFF–ON–etc
- ON = Minutes
- ON = 2–60 Time
- ON = 12V



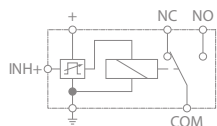
Temporary activation at Turn ON



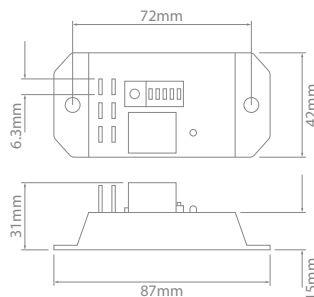
Delayed Activation at Turn ON



Cycle activation at Turn ON



6 Terminal – Change Over (C/O)



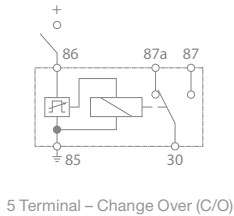
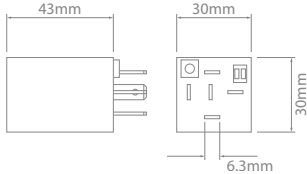
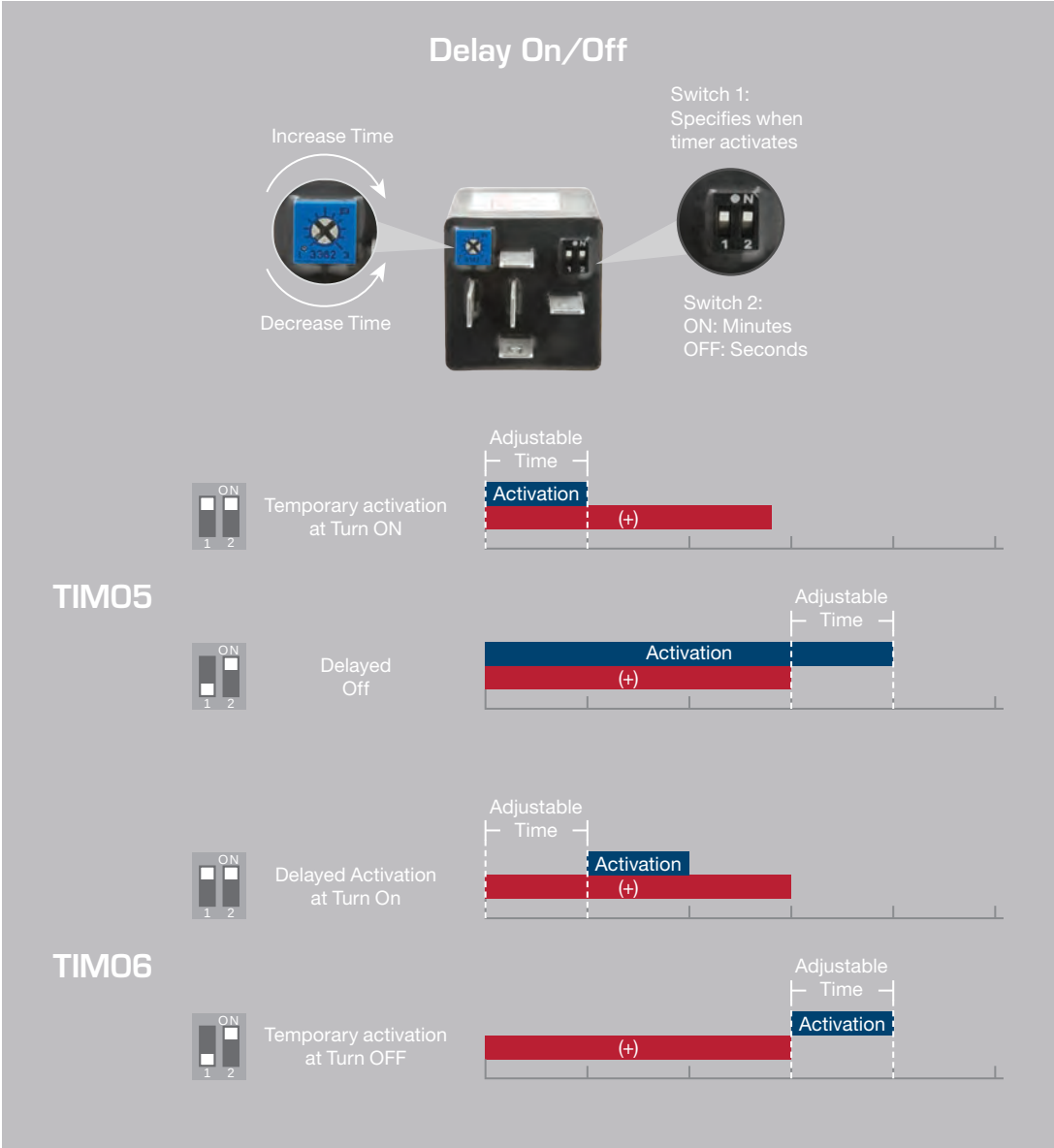
Timer – Multifunction

Part No.	Function	Voltage	Max. Current Rating (A)	Time Delay
TIM01	Multi	12–24	3 @ 12V	1 sec to 60 min

Protected microprocessor timer control circuit.
Incorporates timer reset terminal.



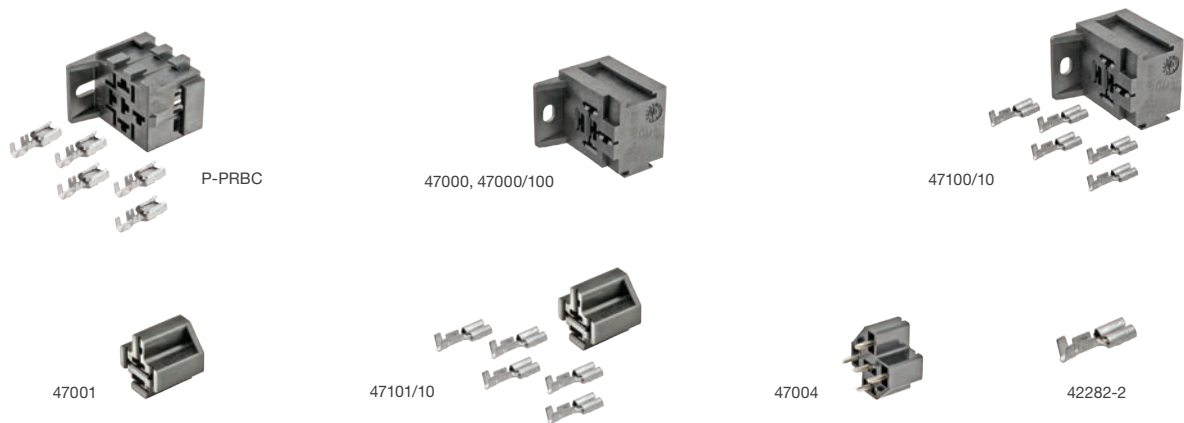
Relays & Solenoids



Timer – Delayed On/Off

Part No.	Function	Voltage	Max. Current Rating (A)	Time Delay
TIM05	Delayed turn Off	12–24	10 @ 12V	1 sec to 60 min
TIM06	Delayed turn On	12–24	10 @ 12V	1 sec to 60 min

Protected microprocessor timer control circuit.
2-year warranty.



Solid State, Mini & Timer – Accessories

Part No.	Description	Cable Size (mm ²)	Pack Qty
P-PRBC	Mini relay base kit. Interlocking base with mounting bracket Kit contents: 1 x Packard™ Base (12033871), 5 x Packard™ Terminals (12015870)	1 – 2	1
47000	Mini relay base. Interlocking base with mounting bracket	—	1
47000/100	Mini relay base. Interlocking base with mounting bracket	—	100
47100/10	Mini relay base kit. Interlocking base with mounting bracket Kit contents: 10 x Bases (47000), 50 x AMP™ Terminals (42282-2)	0.8 – 2.0	10
47001	Mini relay base	—	1
47101/10	Mini relay base kit Kit contents: 10 x Bases (47001), 50 x AMP™ Terminals (42282-2)	0.8 – 2.0	10
47004	Mini relay base. For mounting to PCBs'	—	—
42282-2	AMP™ Terminal – 6.3mm	0.8 – 2.0	100



Relays & Solenoids

P141275HD



P141270



PB1412RHD

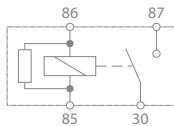
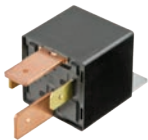


PR12V200

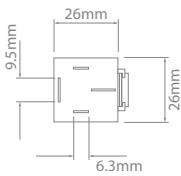
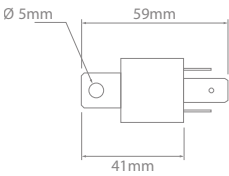
- High current power relays.
- Models available up to 200A.
- Various mounting styles.
- Most models resistor protected.

Contacts :
Body :
Mount :
Operating Temperature :

Silver Alloy
Polymer
Stainless Steel
-40°C to 85°C



4 Terminal – Normally Open (N/O)



High Current – Mini – PB Series

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Mounting Bracket
PB1412RHD	12	70	N/O	4	Removable
PB1424RHD	24	25	N/O	4	Removable

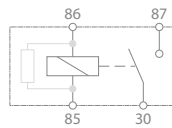
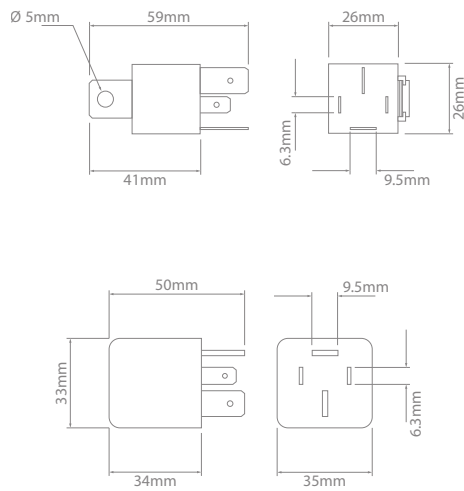


High Current – Mini & PB Series – Relay Base Kit

Part No.	Description
47105/1	Relay base kit with mounting bracket

Kit contents:
1 x Base
3 x AMP™ 9.5mm Terminals (280756-4)
2 x AMP™ 6.3mm Terminals (42282-2)

Relays & Solenoids



4 Terminal – Normally Open (N/O)

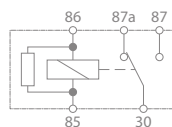
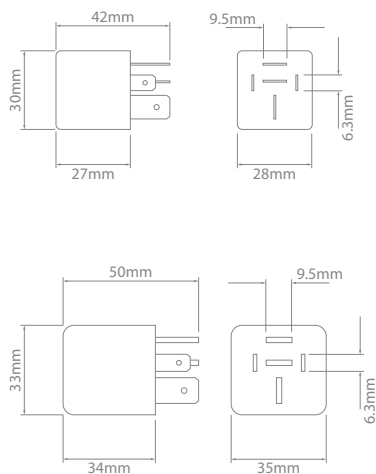
Fig 1



P141270



P142450



5 Terminal – Change Over (C/O)

Fig 2



P252450



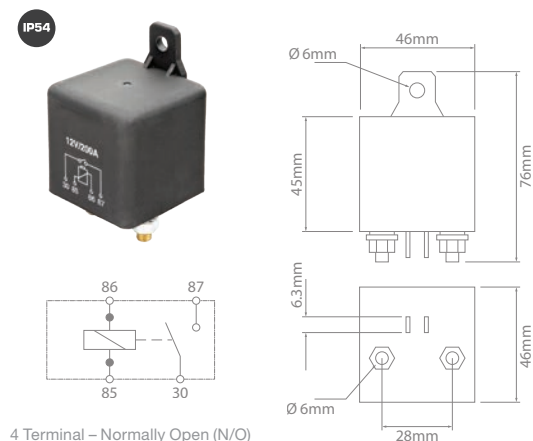
P251270

High Current – Mini

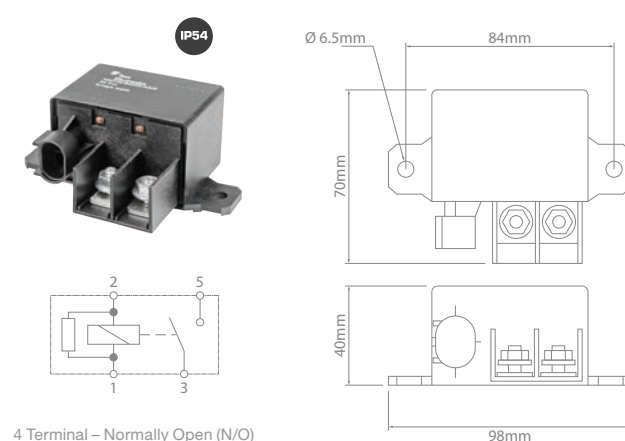
Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Protection	Mounting Bracket	Fig
P141270	12	70	N/O	4	—	Removable	1
P142450	24	50	N/O	4	Resistor	—	1
P251270	12	70/60	C/O	5	Resistor	—	2
P252450	24	60/50	C/O	5	Resistor	—	2



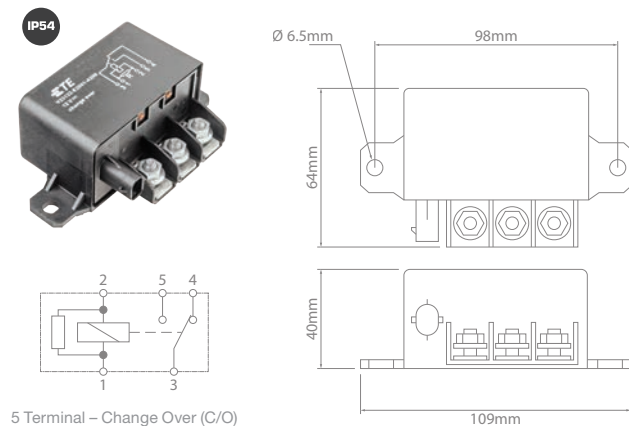
Relays & Solenoids



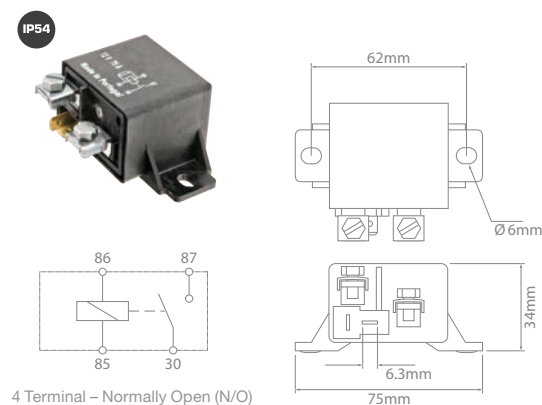
PR12V200, PR24V100



P1412150HD, P1424150HD



P2512150HD



P141275HD

High Current

Part No.	Voltage	Current Rating (A)	Contact Type	Terminals	Mounting Bracket	Connector Kit
PR12V200	12	200	N/O	4	Fixed	
PR24V100	24	100	N/O	4	Fixed	
P1412150HD	12	130	N/O	4	Fixed	50126
P1424150HD	24	130	N/O	4	Fixed	50126
P2512150HD	12	130	C/O	5	Fixed	1670916-KIT
P141275HD	12	75	N/O	4	Fixed	

Relays & Solenoids



50126



1670916-KIT

High Current – Accessories

Part No.	Description	Suits
50126	Connector Kit	P1412150HD, P1424150HD
1670916-KIT	Connector Kit	P2512150HD



RB-01



RB-02



RB-L

Modular Relay Base for Mini & High Current Mini Relays

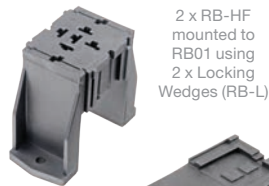
The modular design allows the user to construct a relay configuration to suit their own needs.
Easy to use Locking Wedges securely connect each component together.

Push individual components together (relay base or mount)

Locking Wedges securely hold each component together

Unlimited configurations

Insert Locking Wedge (RB-L)



2 x RB-HF mounted to RB01 using 2 x Locking Wedges (RB-L)



2 x RB-LF mounted to RB02 using 2 x Locking Wedges (RB-L)



RB-S mounted to RB02



42282-2/100



RB-HF



RB-LF



RB-S



281197-2/100

Modular Relay Base NEW

Part No.	Description	Suits	Terminal Size (mm)
RB-01	Thermoplastic Relay Base	Mini Relays	6.3
RB-02	Thermoplastic Relay Base	High Current Mini Relays	6.3 & 9.5
RB-L	Locking Wedge		
RB-HF	Mounting Bracket – Surface – High Profile. 5mm mounting hole		
RB-LF	Mounting Bracket – Through Panel – Low Profile. 5mm mounting hole		
RB-S	Mounting Bracket – Side – Surface. 5mm mounting hole		
42282-2/100	AMP™ Terminal – 6.3mm. Cable Size – 0.8–2.0mm ² . Pack of 100.		
280756-4/100	AMP™ Terminal – 9.5mm. Cable Size – 3.3–5.3mm ² . Pack of 100.		



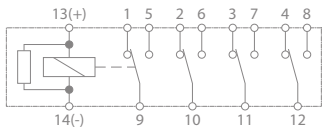
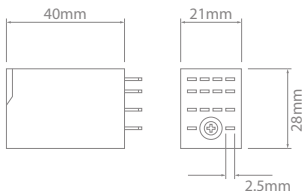
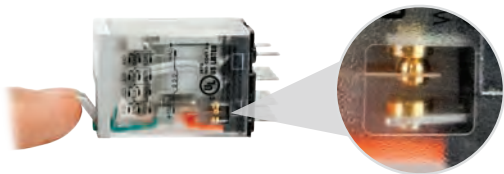
Relays & Solenoids



- Flag indicator shows relay status in manual or powered condition.
- Bipolar LED status lamp allows for reverse polarity applications – ideal in low light conditions.
- Colour-coded push button with lock-up door – allows for manual operation of relay without the need for coil power.
- White polymer ID tag for labelling in multi relay circuits.

Protection :
Contacts :
Body :
Ingress Protection :
Operating Temperature :
Approvals :

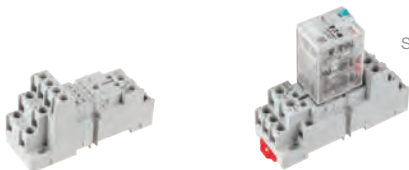
Resistor
Silver Alloy
Polymer
IP40
-40°C to 55°C
UL, CSA, CE, RoHS



14 Terminal – Change Over (C/O)

Specials – 4 Pole Change Over

Part No.	Coil Voltage	Current Rating per Contact (A)	Contact Type	Terminals
P4512	12	4	C/O	14
P4524	24	4	C/O	14



Shown with P4512 mounted

Specials – Relay Base

Part No.	Description	Current Rating (A)	Terminal	No. of Poles	Receptacle
47006	Relay base	7	M3 Screw	4	14 Blade

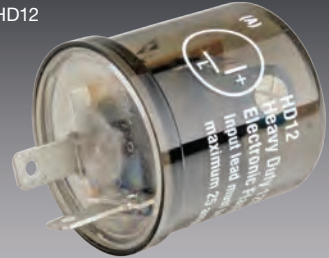


Relays & Solenoids

Flasher Units

- Suitable for indicators & hazard lights.
- Suitable for LED & incandescent applications.
- Flash rate is not influenced by load variation.

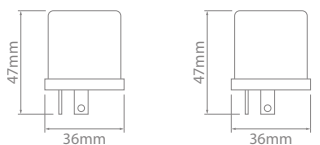
HD12



HD12-LED

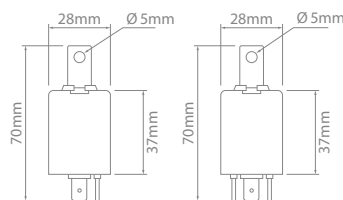
Terminals :

Blade 6.3mm



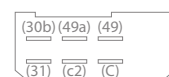
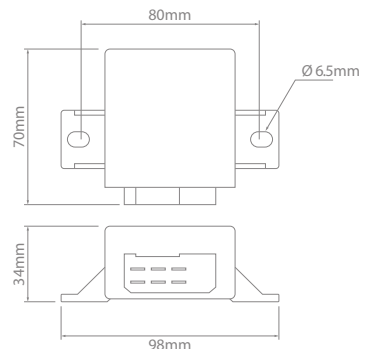
HD12

HD13



HD12-LED

HD13-LED



HD26

Flasher Units

Part No.	Voltage	No. of Terminals	Side Repeater Lamps	Indicator Lamps	Max. Load (W)	Bulb Failure Indicator
HD12	12	2	—	1 to 6 x 25W	210	No
HD13	12	3	—	1 to 10 x 21W	210	Yes
HD12-LED	12	2	1 x 5W	1 x 21W & 1 LED Cluster	30	Yes
HD13-LED	12	3	1 x 5W	1 x 21W & 1 LED Cluster	30	Yes
HD26	24	6	—	4 x 21W & 2 x 21W	170	Yes



Relays & Solenoids

15-323

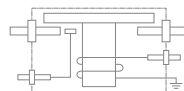
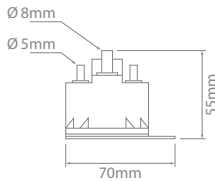
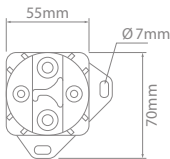


24063-08



15-3F

- Range of normally open & change over style contacts.
- Integrated mounting brackets.
- 12 & 24 volt models available.
- PVC dipped marine model available.



4 Terminal – Normally Open
Includes Auxiliary Output (N/O)

Solenoids – Intermittent Duty

Part No.	Voltage	Current Rating (A)	Contact Type
15-3F	12	200	N/O

Relays & Solenoids

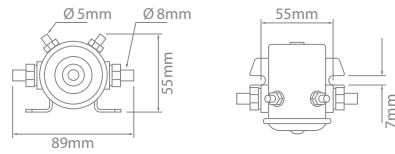
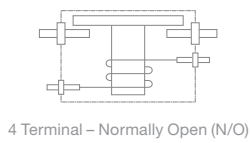


Fig 1

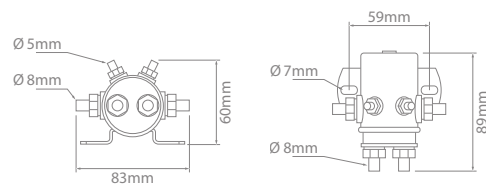
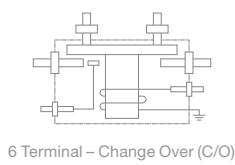


Fig 2



Solenoids – Continuous Duty

Part No.	Voltage	Current Rating (A)	Contact Type	Fig
24063-08	24	65	N/O	1
ST85	12	80	N/O	1
ST88	24	80	N/O	1
15-132	12	100	N/O	1
15-269	24	100	N/O	1
15-133	12	200	N/O	1
15-141	24	200	N/O	1
15-323	12	100/100	C/O	2
15-326	24	100/100	C/O	2

Note
PVC dipped. ISO 8846 Marine