

HELLA quality switches suitable for all your applications.



HELLA fuses, designed to meet the requirements of the automotive industry.

Push-in Wire and CoolsplICE Connectors, Fast, Easy and Reliable.

Accessories

All HELLA accessory products are extensively tested for quality, durability and function prior to being offered under the HELLA brand.



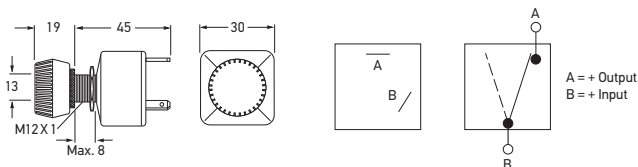
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Rotary Switch - Off-On

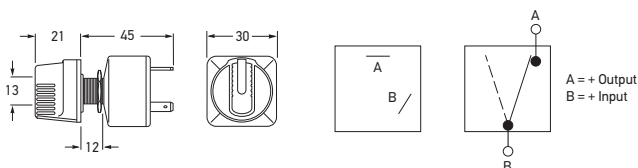
Rotary switch with round knob.



Part Number	4020	OFF-ON
Mounting	12.5mm diameter opening.	
Maximum Load	15A @ 12V 7.5A @ 24V	
Protection	IP 53 (Protection against dust and water spray)	

Rotary Switch - Off-On

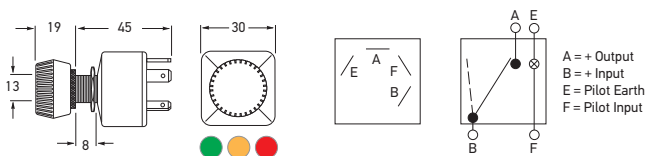
Rotary switch with flat knob.



Part Number	4021	OFF-ON
Mounting	12.5mm diameter opening.	
Maximum Load	15A @ 12V 7.5A @ 24V	
Protection	IP 53 (Protection against dust and water spray)	

Illuminated Rotary Switch, Off-On - 12 Volt

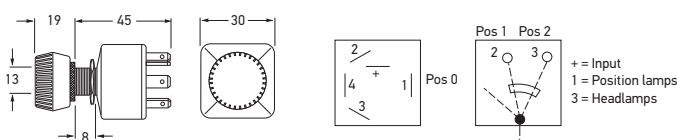
Illuminated by inbuilt 12V capillary bulb, complete with red, amber and green lenses.



Part Number	4022	OFF-ON
Mounting	12.5mm diameter opening.	
Maximum Load	15A @ 12V	
Protection	IP 53 (Protection against dust and water spray)	
Suitable for 12V only. Bulb not replaceable.		

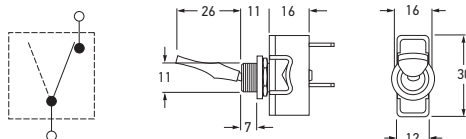
Rotary Headlamp Switch - Off-On-On

Rotary switch with round knob.



Part Number	4023	OFF-ON-ON
Mounting	12.5mm diameter opening.	
Maximum Load	23A @ 12V 11.5A @ 24V	
Protection	IP 53 (Protection against dust and water spray)	

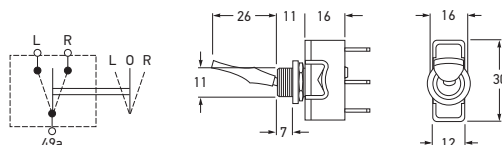
Toggle Switch - Off-On



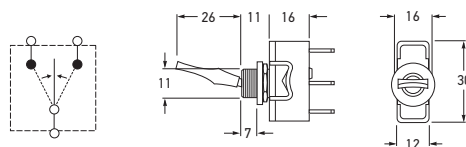
Part Number	4456	OFF-ON
Mounting	13mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	15A @ 12V 7.5A @ 24V	



Toggle Switch - On-Off-On



Part Number	4202	ON-OFF-ON
Mounting	13mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	15A @ 12V 7.5A @ 24V	

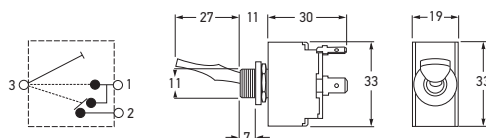
Momentary Spring Return Switch
- (On)-Off-(On)

Part Number	4460	(ON)-OFF-(ON)
Mounting	13mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	15A @ 12V 7.5A @ 24V	

Momentary on-off-on, spring return aerial switch.
Flick toggle with spring return to centre.



Headlamp Switch - Off-On-On



Part Number	4056	OFF-ON-ON
Mounting	13mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	20A @ 12V 10A @ 24V	

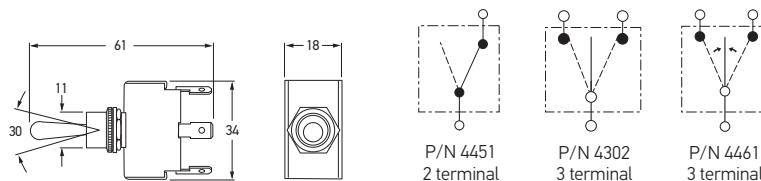
Three position switch:
Upper = Off
Centre = Position lamps
Lower = Headlamps and position lamps



Metal Shaft Toggle Switch



P/N 4451



Part Number	4451	OFF-ON
	4302	ON-OFF-ON
	4461 (Momentary spring return)	(ON)-OFF-(ON)
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	20A @ 12V 10A @ 24V	

Metal Shaft Toggle Switch - Off-On



Part Number	4203	OFF-ON
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	15A @ 12V 7.5A @ 24V	

Aircraft Style Switch Cover - Red

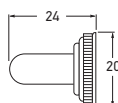
Red aircraft style switch cover to prevent accidental switch operation.



Part Number	4455	RED
To Suit	P/Ns 4451 and 4203.	

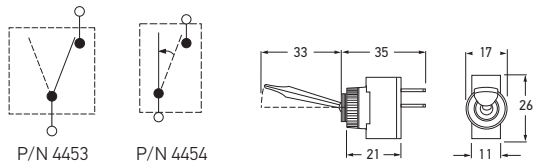
Toggle Boot

To be used with toggle switches.



Part Number	4452	
	4452-BULK	PACK OF 10
To Suit	Toggle switch P/Ns 4302, 4451 and 4461.	


Plastic Toggle Switch

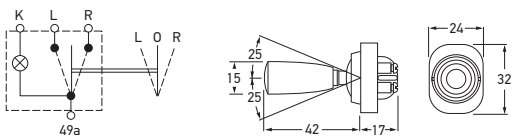


Part Number	4453	OFF-ON
	4454 (Momentary spring return)	OFF-(ON)
Mounting	13mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	8A @ 12V	



Illuminated Toggle Switch, On-Off-On

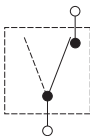




Part Number	4206	ON-OFF-ON
Mounting	19mm diameter opening.	
For Panels	Up to 2mm thick.	
Maximum Load	6A @ 12V	
Bulb to Suit	12V	292



Pre-wired Toggle Switch - Off-On

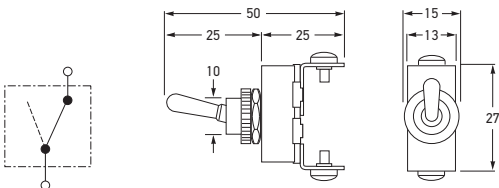


Part Number	4457	OFF-ON
Mounting	12mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	6A @ 12V	



Brass Toggle Switch - Off-On

Chrome toggle and face nut. Brass construction.



Part Number	2762	OFF-ON
Mounting	11mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	20A @ 12V 10A @ 24V	
Toggle boot P/N 4452 does not fit this switch.		



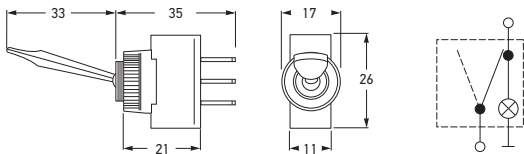
Illuminated Toggle Switch,
Off-On - 12 Volt



P/N 4434

P/N 4435

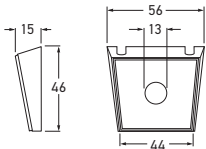
P/N 4436



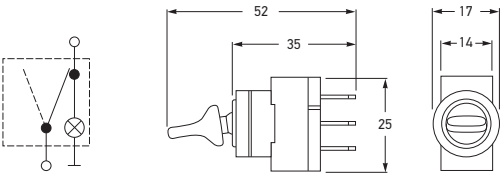
Part Number	4433	RED
	4434	GREEN
	4435	AMBER
	4436	BLUE
Mounting	12.5mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		

Switch Mounting Panel

Single switch mounting panel. Plastic moulded with black grain finish.



Part Number	4437	SINGLE
Mounting	12.5mm diameter opening.	



Illuminated Duckbill Switch,
Off-On - 12 Volt

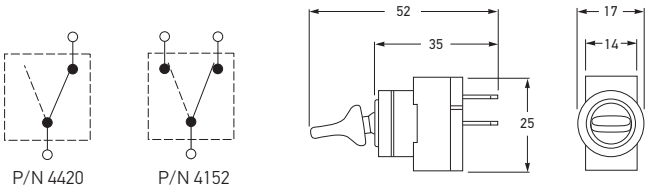
Part Number	4421	RED
	4422	GREEN
	4423	BLUE
	4424	AMBER
Mounting	12.5mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		



P/N 4422

P/N 4423

P/N 4424



Duckbill Switch

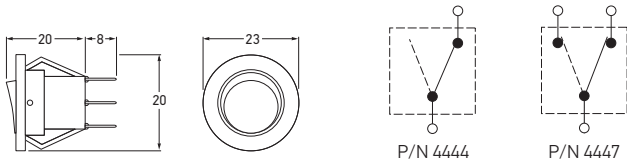
Part Number	4420	OFF-ON
	4152	ON-ON
Mounting	12.5mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	10A @ 12V 5A @ 24V	



P/N 4152

Rocker Switch

Panel push fit.



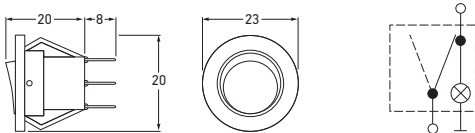
Part Number	4444	OFF-ON
	4447	ON-ON
Mounting	20mm diameter opening.	
For Panels	Up to 4mm thick.	
Maximum Load	10A @ 12V	

Illuminated Rocker Switch,
Off-On - 12 Volt

Panel push fit.



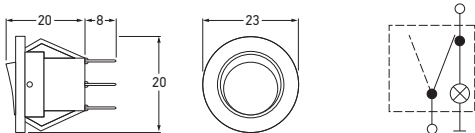
P/N 4446



Part Number	4445	AMBER
	4446	RED
Mounting	20mm diameter opening.	
For Panels	Up to 4mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		

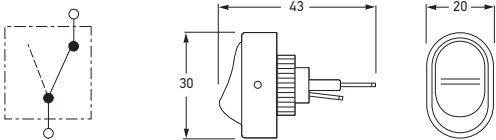
LED Rocker Switch,
Off-On - 12 Volt

Panel push fit.



Part Number	4448	RED
Mounting	20mm diameter opening.	
For Panels	Up to 4mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. LED included, not replaceable.		

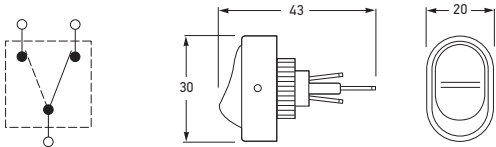
Rocker Switch - Off-On



Part Number	4470	OFF-ON
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	10A @ 12V	



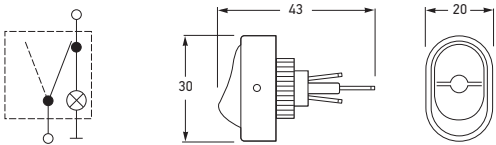
Rocker Switch - On-On



Part Number	4475	ON-ON
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	10A @ 12V	



Illuminated Rocker Switch,
Off-On - 12 Volt



Part Number	4471	AMBER
	4472	BLUE
	4473	GREEN
	4474	RED
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		



P/N 4472

P/N 4473

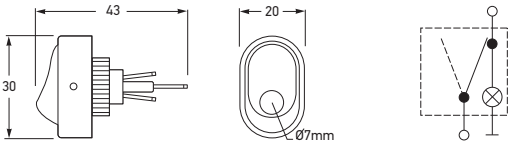
P/N 4474

Illuminated Rocker Switch,
Off-On - 12 Volt



P/N 4477

P/N 4478



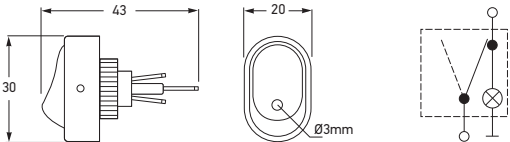
Part Number	4476	AMBER
	4477	GREEN
	4478	RED
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		

LED Rocker Switch, Off-On
- 12 Volt



P/N 4480

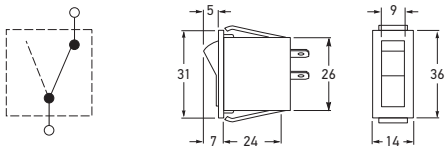
P/N 4481



Part Number	4479	AMBER
	4480	GREEN
	4481	RED
Mounting	12mm diameter opening.	
For Panels	Up to 5mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. LED included, not replaceable.		

Rocker Switch - Off-On

Panel push fit.

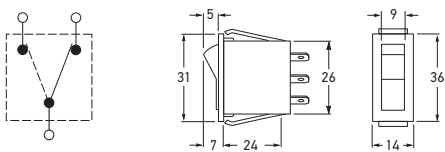


Part Number	4426	OFF-ON
Mounting	29 x 12mm opening.	
Maximum Load	10A @ 12V 5A @ 24V	



Rocker Switch - On-On

Panel push fit.

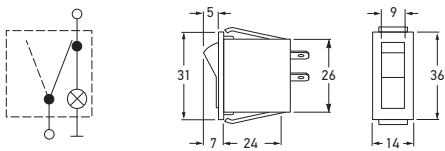


Part Number	4151	ON-ON
Mounting	29 x 12mm opening.	
Maximum Load	10A @ 12V 5A @ 24V	



Illuminated Rocker Switch, Off-On - 12 Volt

Panel push fit.



Part Number	4427	RED
	4428	GREEN
	4429	BLUE
	4430	AMBER
Mounting	29 x 12mm opening.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		



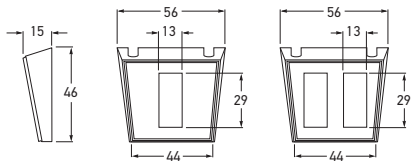
P/N 4428

P/N 4429

P/N 4430

Rocker Switch Mounting Panel

Plastic moulded with black grain finish.



Part Number	4431	SINGLE
	4432	DOUBLE
To Suit	Rocker switch P/Ns 4426, 4427, 4428, 4429, 4430 and 4151.	

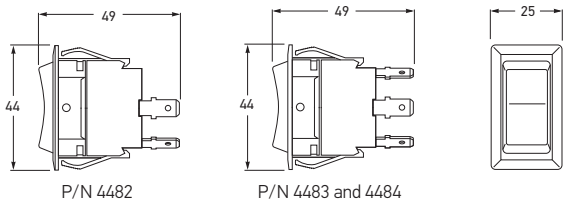


Heavy Duty Rocker Switch

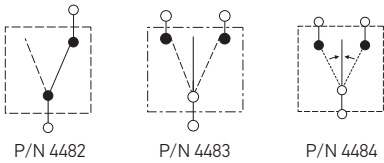
Extremely robust rocker switch featuring push-on terminals and weather resistant black plastic housing. Panel push fit.



P/N 4483

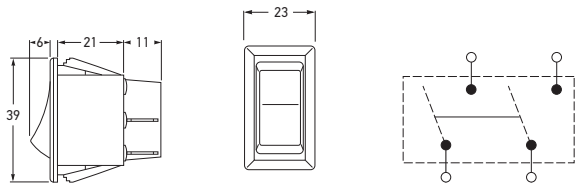


Part Number	4482	OFF-ON
	4483	ON-OFF-ON
	4484 (Momentary spring return)	(ON)-OFF-(ON)
Mounting	20 x 36mm opening.	
For Panels	Up to 4mm thick.	
Maximum Load	25A @ 12V 12.5A @ 24V	



Rocker Switch, Black
- Double Pole

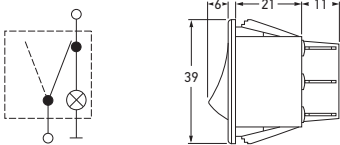
Panel push fit.



Part Number	4485	OFF-ON
Mounting	20 x 35mm opening.	
For Panels	Up to 4mm thick.	
Maximum Load	20A @ 12V (10A per pole)	

LED Illuminated Rocker Switch,
Off-On - 12 Volt

Panel push fit.



Part Number	4486A	AMBER
	4486G	GREEN
	4486R	RED
Mounting	20 x 35mm opening.	
For Panels	Up to 4mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. LED included, not replaceable.		

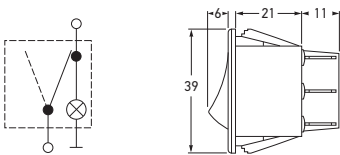


P/N 4486G

P/N 4486R

Illuminated Rocker Switch,
Off-On - 12 Volt

Panel push fit.



Part Number	4487A	AMBER
	4487B	BLUE
	4487G	GREEN
	4487R	RED
Mounting	20 x 35mm opening.	
For Panels	Up to 4mm thick.	
Maximum Load	10A @ 12V	
Suitable for 12V only. Bulb not replaceable.		



P/N 4487B

P/N 4487G

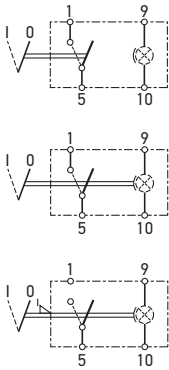
P/N 4487R

HELLA Universal Rocker Switches

HELLA universal flush-fit rocker switches are readily adaptable to 12 and 24V applications. This large and varied range covers nearly all switching types and connections. A wide selection of symbols ensures proper labelling of all main switching and monitoring functions. The switching and control displays can be illuminated.

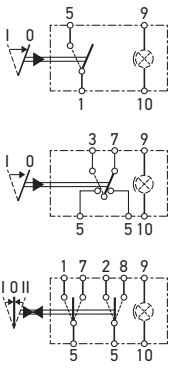
Mounting	Mounted directly to properly dimensioned opening (1 - 2.5mm thick) or by mounting panels (for more information see page 234).
Maximum Load	16A @ 12V, 8A @ 24V.

Connectors, symbols, mounts and bulb holders are to be purchased separately.



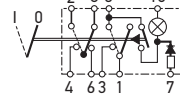
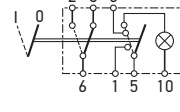
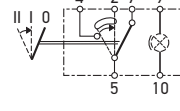
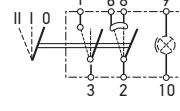
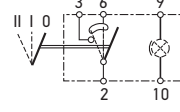
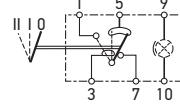
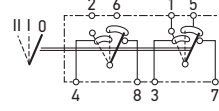
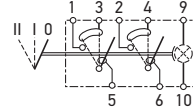
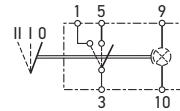
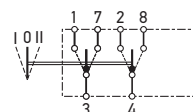
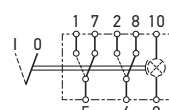
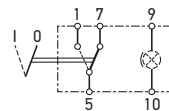
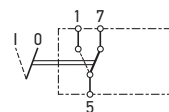
Location lamp illuminates lamp with park lights. Pilot lamp illuminates when switch is in the 'on' position.

ON-OFF SWITCHES			
Part Number	Symbol	Description	Function
6EH 007 832-011	LOCATION	Suitable for use with location light.	ON-OFF
6EH 007 832-021	PILOT	Suitable for use with location and pilot light.	
	LOCATION		
6EH 007 832-041	PILOT	With mechanism for blocking operation. Suitable for use with location light and pilot light.	
	LOCATION		

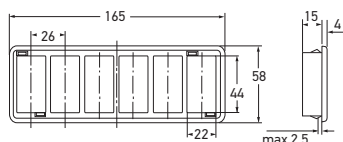


MOMENTARY SPRING RETURN SWITCHES			
6GM 007 832-191	LOCATION	Suitable for use with location light.	OFF-(ON)
6GM 007 832-221	LOCATION	Suitable for use with location light.	CHANGE-OVER
6GM 007 832-251	LOCATION	Suitable for use with location light.	(ON)-OFF-(ON)

CHANGE-OVER SWITCHES			
Part Number	Symbol	Description	Function
6FH 007 832-051		Without location light, without pilot light.	ON-ON
6FH 007 832-061	LOCATION	Suitable for use with location light.	
6FH 007 832-101	PILOT LOCATION	Suitable for use with location light and pilot light.	
6FH 007 832-161		Without location light, without pilot light.	ON-OFF-ON
6RH 007 832-351	PILOT LOCATION	Suitable for use with location light and pilot light.	OFF-ON-ON
6RH 007 832-377	PILOT LOCATION	Suitable for use with location light and pilot light.	
6RH 007 832-381		Without location light, without pilot light.	
6RH 007 832-391	LOCATION	Max. load 16A @ 12V, 8A @ 24V. Suitable for use with location light, without pilot light.	
6RH 007 832-441	LOCATION	Suitable for use with location light.	
6RH 007 832-461	LOCATION	Suitable for use with location light.	OFF-ON-MOMENTARY ON
6RH 007 832-411	LOCATION	Suitable for use with location light.	
6HH 007 832-281	PILOT	Max. load 10A @ 12V and 24V. Without location light. Includes pre-fitted 12V bulb. Hazard flasher switch.	HAZARD
6HH 007 832-301	PILOT LOCATION	With location light and pilot light. Includes pre-fitted 24V bulb. Hazard flasher switch.	



See page 236
for the range of
coloured symbols.



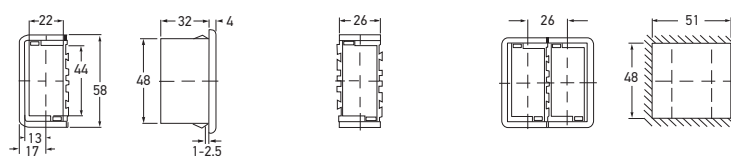
Part Number	MOUNTING PANELS	
	8HG 713 626-001 (156.1 x 48.2mm)	SIX SWITCHES
	8HG 714 504-001 (77.6 x 48.2mm)	THREE SWITCHES



P/N 8HG 716 734-001



P/N 8HG 716 735-001



P/N 8HG 716 734-001

P/N 8HG 716 735-001

Part Number	MODULAR MOUNTING-PANEL SYSTEM	
	8HG 716 734-001	END PIECE
	8HG 716 735-001	MIDDLE PIECE

Two end pieces are required to make a mounting panel.
By adding middle pieces, this panel can be extended as required.



Part Number	BLANKING PLUG FOR EMPTY SWITCH APERTURES
	9HB 713 629-001

ACCESSORIES



Part Number	WARNING LIGHTS	
	2AA 713 628-021	12 VOLT
	2AA 713 628-031	24 VOLT
	2AA 713 628-041 (LED)	12/24 VOLT
Bulbs to Suit	12V 24V	W121.2 W241.2



Part Number	WARNING LIGHTS	
	9FF 713 627-001	12 VOLT
	9FF 713 627-011	24 VOLT
	9FF 713 627-031 (LED)	12/24 VOLT
Bulbs to Suit	12V 24V	W121.2 W241.2



Part Number	CONNECTORS	
	8JA 713 631-001 (For switch)	8 POLE
	8JA 715 600-001 (For bulb holder)	2 POLE
	8573 (For connectors - Pack of 100)	BRASS TERMINALS












































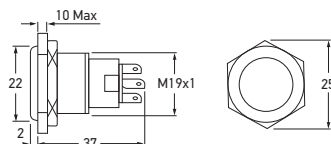
P/N 8JA 713 631-001



P/N 8JA 715 600-001

SYMBOL CARDS FOR SWITCHES 007 832...

Part Number	Symbol	Symbol Card	Part Number	Symbol	Symbol Card
9XT 713 630-001	Green	Without symbol	9XT 714 300-201		Battery
9XT 713 630-011	Black	Without symbol	9XT 714 300-191		Temperature
9XT 713 630-021	Red	Without symbol	9XT 713 630-181		Window lift
9XT 713 630-031	Yellow	Without symbol	9XT 713 630-101		Windscreen
9XT 713 630-301		Light	9XT 713 630-121		Window wiper/wash
9XT 714 300-131		Main beam	9XT 713 630-131		Windscreen wash
9XT 713 630-351		Fog lamp	9XT 713 630-231		Heated rear window
9XT 713 630-421		Work lamp front	9XT 713 630-481		Heated outside mirror
9XT 713 630-701		Work lamp rear	9XT 713 630-521		Defroster
9XT 714 300-141		Flasher lamp	9XT 713 630-461		Air horn
9XT 713 630-391		Warning lamp	9XT 713 630-291		Fresh air
9XT 713 630-511		Map lamp	9XT 713 630-681		Roof fan
9XT 713 630-491		Driving compartment lighting	9XT 713 630-201		Heater
9XT 713 630-641		Boot lighting	9XT 713 630-221		Heater fan
9XT 713 630-261		Main light	9XT 713 630-401		Fast
9XT 713 630-371		Work light	9XT 713 630-691		Slow
9XT 713 630-281		Rotating beacon	9XT 713 630-551		Front door
9XT 713 630-711		Rotating beacon	9XT 713 630-561		Rear door
9XT 714 300-181		Lubrication	9XT 713 630-621		Lower
9XT 714 300-011		Parking brake	9XT 714 300-051		Change-over tanks
Interior Lighting			Fan		
9XT 713 630-271		High	9XT 713 630-251		Fast
9XT 714 300-031		Medium	9XT 713 630-531		Slow
9XT 713 630-501		Low			



Part Number	12 VOLT	24 VOLT	
	8HG 958 455-001	8HG 958 455-101	RED
	8HG 958 455-011	8HG 958 455-111	BLUE
Mounting	19mm diameter opening.		
Maximum Load	5A		
Protection	IP 67 (Protection against dust and temporary water immersion)		
For Panels	Up to 10mm thick.		

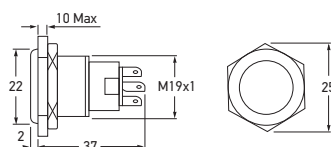


Stainless Steel Latching Switch with LED Ring - Off-On

Exterior durable, 304 stainless steel switches featuring a ring of LED light. These through panel mount switches are ideal for switching lighting or installing into custom switch panels. The light rings may be wired to show power to a system or signal circuit activation.



P/N 8HG 958 455-011



Part Number	12 VOLT	24 VOLT	
	8HG 958 455-201	8HG 958 455-301	RED
	8HG 958 455-211	8HG 958 455-311	BLUE
Mounting	19mm diameter opening.		
Maximum Load	5A		
Protection	IP 67 (Protection against dust and temporary water immersion)		
For Panels	Up to 10mm thick.		



Stainless Steel Momentary Switch with LED Ring - Off-(On)

Exterior durable, 304 stainless steel switches featuring a ring of LED light. These through panel mount switches are ideal for switching lighting or installing into custom switch panels. The light rings may be wired to show power to a system or signal circuit activation.



P/N 8HG 958 455-211



Part Number	12 VOLT	24 VOLT	
	8HG 958 456-001	8HG 958 456-101	RED
Mounting	19mm diameter opening.		
Sound Level	>80dB (1m)		
Protection	IP 50 (Protection against dust)		
For Panels	Up to 10mm thick.		

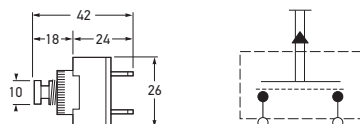


Stainless Steel Buzzer with LED Ring

Exterior durable, 304 stainless steel warning buzzer to match stainless steel switches (above). Also feature a ring of LED light.

Momentary Spring Return Switch - Off-(On)

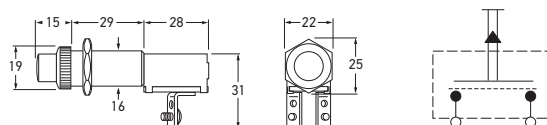
Off-momentary on push button (spring return).



Part Number	4507	OFF-(ON)
Mounting	12mm diameter opening.	
For Panels	Up to 4mm thick.	
Maximum Load	6A @ 12V	

Momentary Spring Return Push Button Starter Switch - Off-(On)

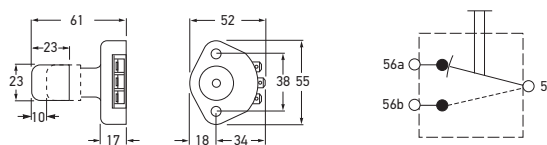
Brass construction. Chrome plated face nut and button. Off-momentary on push button (spring return).



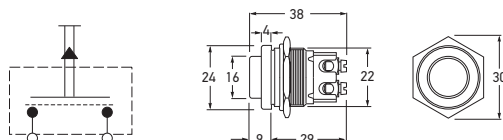
Part Number	2763	OFF-(ON)
Mounting	16mm diameter opening.	
For Panels	Up to 25mm thick.	
Maximum Load	20A @ 12V 10A @ 24V	

Foot Operated Dipper Switch

Push on terminals. Latching spring return mechanism.



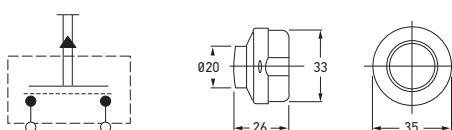
Part Number	4100	ON-ON
Mounting	Surface mount.	
Maximum Load	12A @ 12V 6A @ 24V	



Part Number	4501	OFF-(ON)
Mounting	22.5mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	16A @ 12V 8A @ 24V	

Momentary Spring Return Push Button Switch - Off-(On)

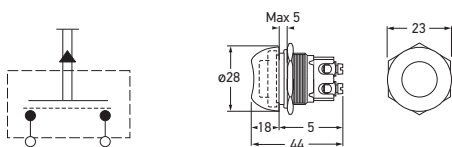
Off-momentary on push button (spring return) switch.



Part Number	4502	OFF-(ON)
Mounting	Surface mount.	
Maximum Load	10A @ 12V 5A @ 24V	

Momentary Spring Return Push Button Switch - Off-(On)

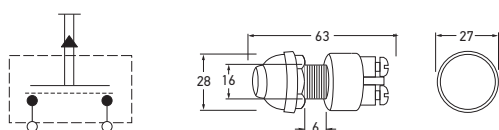
Chrome body. Off-momentary on push button (spring return) switch.



Part Number	4503	OFF-(ON)
Mounting	22.5mm diameter opening.	
For Panels	Up to 2mm thick.	
Maximum Load	16A @ 12V 8A @ 24V	
Do not remove rubber cap/front face nut when fitting.		

Momentary Spring Return Push Button Switch - Off-(On)

Water resistant push button type switch with rubber cap. Off-momentary on push button (spring return).



Part Number	4506	OFF-(ON)
Mounting	16mm diameter opening.	
For Panels	Up to 10mm thick.	
Maximum Load	60A @ 12V 40A @ 24V	

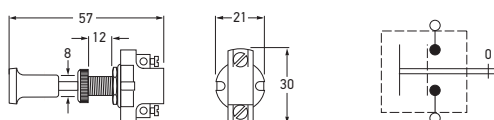
Momentary Spring Return Push Button Switch - Off-(On)

Water resistant starter switch. Off-momentary on push button (spring return).



Long Reach Switch - Off-On

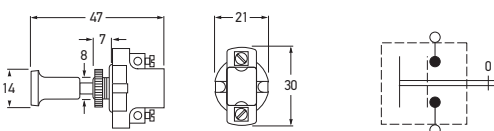
Two position long reach switch.



Part Number	4400	OFF-ON
Mounting	9mm diameter opening.	
For Panels	Up to 12mm thick.	
Maximum Load	10A @ 12V 5A @ 24V	

Short Reach Switch - Off-On

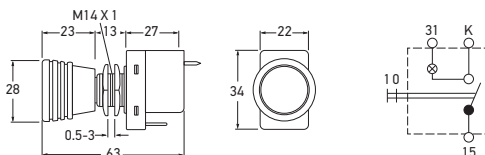
Two position short reach switch.



Part Number	4403	OFF-ON
Mounting	9mm diameter opening.	
For Panels	Up to 2mm thick.	
Maximum Load	10A @ 12V 5A @ 24V	

Illuminated Switch - Off-On

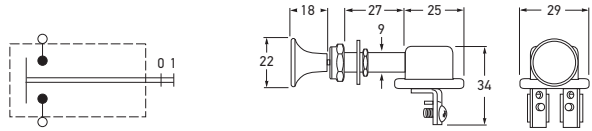
Knob incorporates red or green pilot lamp.



Part Number	4411	GREEN
	4412	RED
Mounting	14mm diameter opening.	
For Panels	Up to 6mm thick.	
Maximum Load	10A @ 12V 5A @ 24V	
Bulb to Suit	12V 24V	W121.2 W241.2

Brass Switch - Off-On

Chrome knob and face nut. Brass construction.

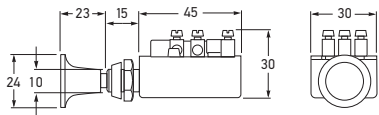


Part Number	2761	OFF-ON
Mounting	10mm diameter opening.	
For Panels	Up to 25mm thick.	
Maximum Load	20A @ 12V 10A @ 24V	

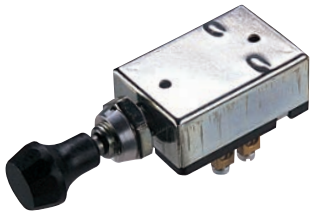


Headlamp Switch - Off-On-On

Three position headlamp switch without pilot lamp. Features black grip and 20 amp glass fuse.

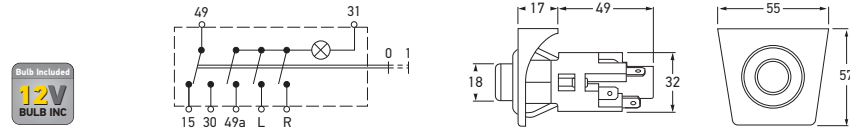


Part Number	4055	OFF-ON-ON
Mounting	11mm diameter opening.	
For Panels	Up to 10mm thick.	
Maximum Load	10A @ 12V 5A @ 24V	



Hazard Warning Switch

For cars, trucks, buses with and without trailers. Black plastic mounting panel. Red knob with pilot lamp. Includes 8 pole multiple adaptor. Push-on 6mm terminals supplied. Wiring diagram and instructions are included.

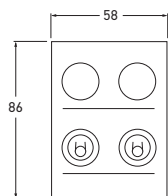


Part Number	5227	OFF-ON
Mounting	29mm diameter opening.	
Maximum Load	7A @12V	
For Panels	Up to 3mm thick.	
Bulbs to Suit	12V	J122
	24V	J243



Micro Switch Panel - LED Backlight

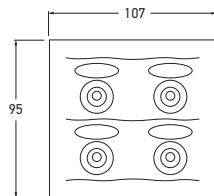
Micro switch panel modules can be added together horizontally or vertically giving numerous installation options. Each module also has red and green LED backlighting. Circular labels allow vertical, horizontal, left or right mounting.



Part Number	2687	2 X OFF-ON
	2688	1 X OFF-ON 1 X ON-OFF-ON
	2689	1 X OFF-ON 1 X (ON)-OFF-(ON)
Voltage	Multivolt™, suitable for 12 and 24 volt systems.	
Housing	Impact resistant plastic.	
Switches	Toggle, momentary or 3 way (on-off-on).	
Maximum Load	20A @ 12V	

Compact Switch Panel - Off-On

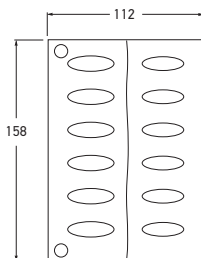
Splash proof switch panel protected with neoprene rubber boots. Inline fuse holders with fuses behind panel.



Part Number	2690 (4 way)	OFF-ON
	2691 (6 way)	
Housing	Impact resistant plastic.	
Switches	4 or 6 off-on toggle switches.	
Maximum Load	20A @ 12V	

Switch Panel, LED Backlight - Off-On

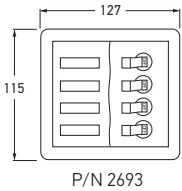
Splash proof switch panel featuring LED backlit labels. Protected by neoprene rubber boots. Removable cover plate over switches conceals screws.



Part Number	2692 (6 way)	OFF-ON
Voltage	Multivolt™, suitable for 12 and 24 volt systems.	
Housing	Impact resistant plastic.	
Switches	6 off-on toggle switches.	
Maximum Load	20A @ 12V	



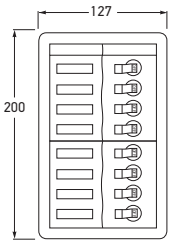
Part Number	2693 (4 way)		OFF-ON
	2694 (8 way vertical)		
	2695 (8 way horizontal)		
Voltage	Multivolt™, suitable for 12 and 24 volt systems.		
Configuration	4 Way 8 Way	1 x 5A/2 x 10A/1 x 15A 2 x 5A/2 x 10A/3 x 15A/1 x 20A	



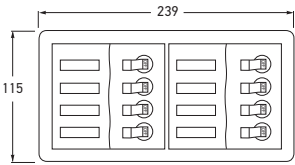
P/N 2693

Switch Panel With Integrated Circuit Breakers and LED Backlight

Pre-wired switch panel with integrated circuit breakers and LED backlit labels. Pre-wired and suitable for 12 or 24V systems. Powder coated aluminium base plate.



P/N 2694



P/N 2695

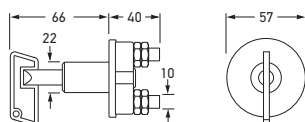


P/N 2694

P/N 2695

Battery Master Switch

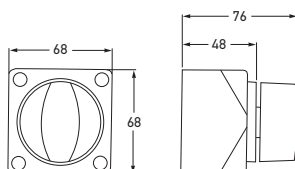
Suitable for cars and medium sized trucks.
Complete with removable key. For interrupting circuits (prevents theft and short circuit).



Part Number	4650	OFF-ON
Mounting	24mm diameter opening	
Maximum Load	12V 24V	1000A for up to 10 seconds. 500A for up to 10 seconds.
Maximum Continuous Load	12/24V - 50A at a maximum ambient temperature of 80°C with 35mm ² lead, connected with ring-type terminals.	
Termination	2 x 10mm studs.	
Spare Part	4652	Spare key
Switch not designed for Marine applications.		

Battery Master Switch

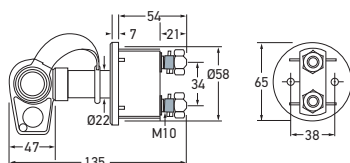
Suitable for cars and medium sized trucks.
Complete with removable key.



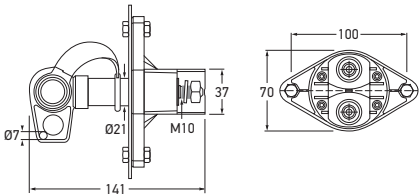
Part Number	4640	OFF-ON
Mounting	Recess or surface mount.	
Maximum Load	12/24V	1250A for up to 10 seconds
Maximum Continuous Load	12/24V	275A
Termination	2 x 10mm studs.	
Spare Part	4641	Spare key

Battery Master Switch

Suitable for cars and medium sized trucks,
with a continuous rating of 250 amps.
Provides effective protection against theft
and fire in case of accidents. With sealing cap
when not in use which doubles as a key holder.



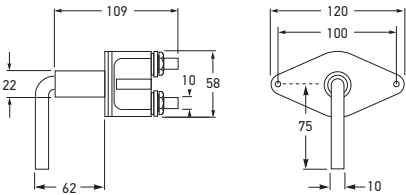
Part Number	4649	OFF-ON
Mounting	22mm diameter opening.	
Maximum Load	24V	2000A for 5 seconds
Maximum Continuous Load	12/24V	250A
Termination	2 x 10mm studs.	
Protection	IP 65 (Protection against dust and water jets)	



Part Number	4648		OFF-ON
Mounting	22mm diameter opening.		
Maximum Load	24V	2500A for 10 seconds	
Maximum Continuous Load	12/24V	500A	
Termination	2 x 10mm studs.		
Protection	IP 65 (Protection against dust and water jets)		

High Capacity Battery Master Switch

Suitable for trucks and other commercial machinery, with a high continuous rating of 500 amps. Provides effective protection against theft and fire in case of accidents. With sealing cap when not in use which doubles as a key holder.



Part Number	4653		OFF-ON
Mounting	22mm diameter opening.		
Maximum Load	12V 24V	5000A for 10 seconds. 2500A for 10 seconds	
Maximum Continuous Load	12/24V	100A continuous at a maximum ambient temperature of 60°C with 50mm² lead connected with ring-type terminals.	
Termination	2 x 10mm studs.		
Protection	IP X4 (Protection against water splashing)		
Spare Part	4654	Spare key	
Switch not designed for Marine applications.			

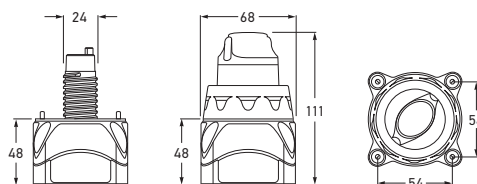
Heavy Duty Battery Master Switch

For trucks, buses and earth moving equipment. Complete with removable key.



Battery Master Switch

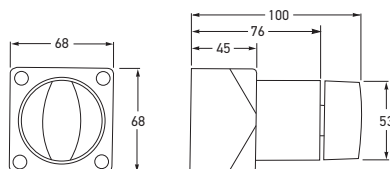
Battery master switch with threaded collar. Suitable for cars and medium sized trucks. Complete with removable key, labelled handle and removable back cover. For interrupting circuits (prevents theft and short circuit).



Part Number	4722	OFF-ON
Mounting	Recess or surface mount. 25mm diameter opening.	
Maximum Load	12/24V	1250A for up to 10 seconds.
Maximum Continuous Load	12/24V	275A
Termination	2 x 10mm studs.	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	

Remote Operated Battery Master Switch

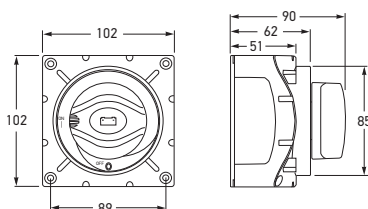
Battery switch with tin-plated copper studs and nuts. Can be operated manually or remotely with a separate switch (not supplied). Suitable for mounting alongside battery reducing cable lengths to starter motor. Complete with removable key and 3 way DTM plug.



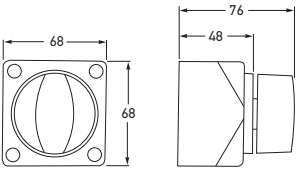
Part Number	4724	OFF-ON
Mounting	Recess or surface mount. 55mm diameter opening.	
Voltage	12/24V	
Power Consumption	2W @ 12V when operating, 0.25W static.	
Maximum Load	12/24V	1250A for up to 10 seconds.
Maximum Continuous Load	12/24V	275A
Termination	2 x 10mm studs.	
Cable Length	500mm	

Heavy Duty Battery Master Switch

For commercial use. Features sliding contact for self cleaning.



Part Number	4720	OFF-ON
Mounting	Recess or surface mount. 85mm diameter opening.	
Maximum Load	12/24V	2500A for up to 10 seconds.
Maximum Continuous Load	12/24V	600A
Termination	2 x 12mm studs.	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	

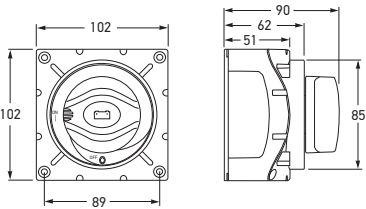


Part Number	4723	OFF-B1-BOTH-B2
Mounting	Recess or surface mount.	
Maximum Load	12/24V	1000A for up to 10 seconds.
Maximum Continuous Load	12/24V	200A
Termination	3 x 5/16" studs.	
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)	



Battery Selector Switch

Battery switch to select either from two power sources or combine together. Will also isolate from the power sources.



Part Number	4721		OFF-B1-BOTH-B2
Mounting	Recess or surface mount. 85mm diameter opening.		
Maximum Load	12/24V	1500A for 10 seconds	
Maximum Continuous Load	12/24V	350A	
Termination	3 x 10mm studs.		
Protection	IP 56 (Protection against solid foreign objects up to 1mm and powerful water jets)		
Switch can be locked using 6mm diameter padlock with 75mm reach.			

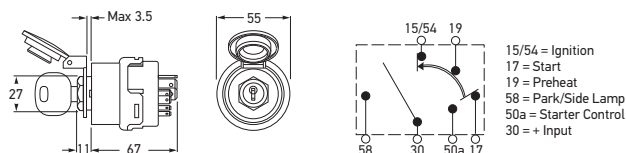


Battery Selector Switch

Battery switch to select either from two power sources or combine together. Will also isolate from the power sources.

Diesel Pre-heating Starter Switch

Pre-heating starter switch supplied with two keys. Key removes in park and off.

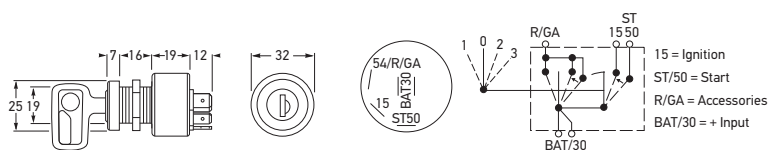


Part Number	4005
Mounting	26.5mm diameter opening.
For Panels	Up to 3.5mm thick.
Function	5 position switch (park, off, driving, pre-heat, start).

TERMINAL	POSITION	FUNCTION	CURRENT @ 24V
30-58	P	Park Lamps	4A
30-15/54	1	Driving	18A
30-19	2	Preheat	35A
30-50a/17	3	Start	5A/35A

Ignition and Starter Switch

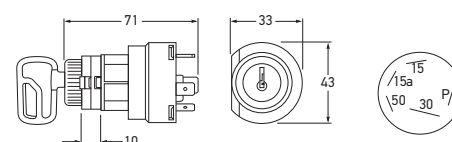
Switch with spring loaded return.
Supplied with two keys.



Part Number	4008
Mounting	19mm diameter opening.
For Panels	Up to 19mm thick.
Maximum Load	@12V ignition 25A, start 12A, accessory 15A.
Spare Part	Blank key number Silica BH4.
Function	Four position switch (accessory, off, ignition, start).

Heavy Duty Ignition and Starter Switch

Heavy duty ignition and starter switch, featuring plastic outer construction for maximum protection against damage.
Supplied with two keys.



Part Number	4008HD
Mounting	19mm diameter opening.
For Panels	Up to 10mm thick.
Maximum Load	@12V park 20A, ignition 20A, start 25A.
Function	Four position switch (park, off, ignition, start). Key removes in park and off.

Ignition and Starter Switch

Two keys supplied. Start-lockout mechanism to prevent accidental engagement of starter.



Part Number	4009	22MM SHAFT
	4010	18MM SHAFT
Mounting	4009	22.5mm diameter opening
	4010	18.5mm diameter opening
For Panels	Up to 19mm thick.	
Maximum Load	@12V ignition 25A, start 50A, accessory 20A.	
Function	Four position switch (accessory, off, ignition, start).	

Ignition and Starter Switch

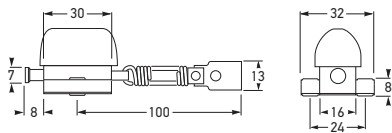
Four position switch with spring loaded return.
Four screw terminals.



Part Number	2766
Mounting	21mm diameter opening.
For Panels	Up to 25mm thick.
Maximum Load	@12V ignition 10A, start 5A, accessory 10A.
Function	Four position switch (accessory, off, ignition and start)

Stop Lamp Switch - Off-On

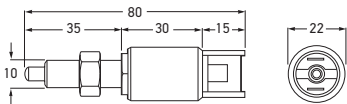
Normally open, contacts are closed when tension is applied to the spring. Complete with splash proof rubber cap. Brake linkage clamp 6mm diameter.



Part Number	4560	OFF-ON
Maximum Load	10A @ 12V 5A @ 24V	

Stop Lamp Switch - On-Off

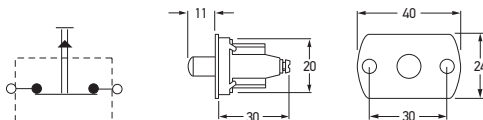
Thread M10 x 1.25. Suits most Japanese vehicles.



Part Number	4562	ON-OFF
Maximum Load	10A @ 12V	

Door Contact Switch - On-Off

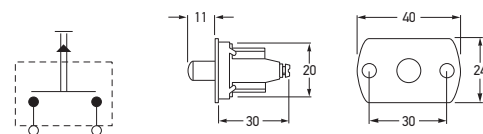
Switch closes circuit if door is opened.



Part Number	4550	ON-OFF
Mounting	21mm diameter opening.	
Maximum Load	2A @ 12V 1A @ 24V	

**Door Contact Switch - Off-On**

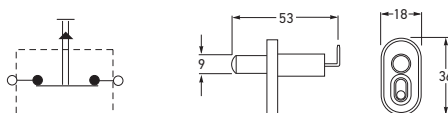
Switch opens circuit if door is opened.
May be used as safety cut-off switch.



Part Number	4551	OFF-ON
Mounting	21mm diameter opening.	
Maximum Load	2A @ 12V 1A @ 24V	

**Door Contact Switch - On-Off**

Switch closes circuit if door is opened.
Corrosion proof black plastic. Rubber seal.
Push-on terminal.

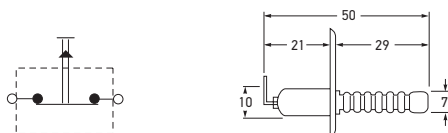


Part Number	4553	ON-OFF
Mounting	12mm diameter opening and screw.	
Maximum Load	3.5A @ 12V	

Plunger automatically adjusts to door gap on initial operation.

**Door Contact Switch - On-Off**

Extended arm which may be cut to length
to suit opening.

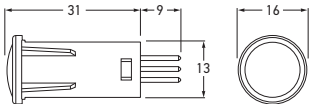


Part Number	4554	ON-OFF
Mounting	10mm diameter opening and screw.	
Maximum Load	5A @ 12V	



Pilot Lamp - 12 Volt

Panel push fit pilot lamp with non-replaceable bulb. See page 253 for function descriptions.



P/N 2709

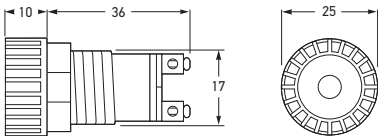
P/N 2710

P/N 2711

Part Number	2708	RED
	2709	GREEN
	2710	BLUE
	2711	AMBER
Mounting	12.5mm diameter opening.	
Voltage	12V	
Suitable for 12V only. Bulb not replaceable.		

Pilot Lamp

Pilot lamp utilizing bayonet based bulb for use under heavy duty conditions. See page 253 for function descriptions.



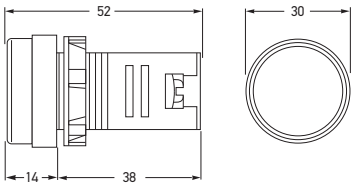
P/N 2713

P/N 2714

P/N 2715



Part Number	2712	RED
	2713	GREEN
	2714	BLUE
	2715	AMBER
Mounting	17mm diameter opening.	
Bulbs to Suit	12V 24V	H122 H242



Part Number	2716	RED
	2716-24V	
	2717	GREEN
	2717-24V	
	2718	AMBER
	2718-24V	
	2719	WHITE
	2719-24V	
	2720	BLUE
	2720-24V	
Mounting	22mm diameter opening.	
For Panels	Up to 38mm thick.	
Voltage	12V or 24V AC/DC	
Protection	IP 65 (Protection against dust and water jets) when installed.	

LED Pilot Lamp

Heavy duty multi-chip LED pilot lamp featuring shock-resistant one-piece construction for long service life and polycarbonate lens. See below for function descriptions.



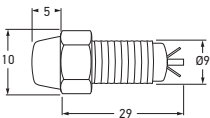
P/N 2717

P/N 2718



P/N 2719

P/N 2720



Part Number	2721	RED
	2722	GREEN
	2723	BLUE
	2724	AMBER
Mounting	8mm diameter opening.	
For Panels	Up to 10mm thick.	
Suitable for 12V only. LED included, not replaceable.		

LED Pilot Lamp, Chrome Body - 12 Volt

Pilot lamp featuring chrome body and available in four colour variants. See below for function descriptions.



P/N 2722

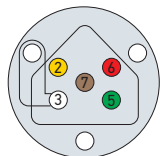
P/N 2723

P/N 2724

RED	Ignition, handbrake and hazard warning lamps
GREEN	Indicator lamps
BLUE	Main beam and auxiliary headlamps
AMBER	Fog lamps

Trailer Connector Wiring Specifications

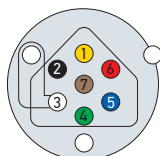
Cable Entry View



5 Pole Socket



5 Pole Plug

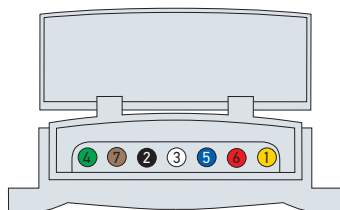


7 Pole Socket

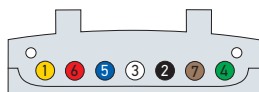


7 Pole Plug

Front View



7 Pole Flat Socket



7 Pole Flat Plug

5 POLE CONNECTOR WIRING SPECIFICATIONS

Terminal Number	Connect to
2	Left-hand flasher lamps
3	Earth return
5	Right-hand flasher lamps
6	Stop lamps
7	Rear position, number plate and clearance lamps

7 POLE CONNECTOR WIRING SPECIFICATIONS

Terminal Number	Connect to
1	Left-hand flasher lamps
2	Reversing lamps
3	Earth return
4	Right-hand flasher lamps
5	Service brakes (or Auxiliary)
6	Stop lamps
7	Rear position, number plate and clearance lamps

Where service brakes are not fitted, terminal no.5 may be used for auxiliaries.

Trailer Plug Holder

Minimises potential damage to plug,
to suit P/Ns 4902 and 4911.



Part Number

8000

Mounting

Simple screw mounting on caravan/trailer drawbar or any convenient location.

Trailer Socket Bracket

Zinc plated steel. To suit P/Ns 4901 and 4912.



Part Number

8005

Trailer Socket Bracket

Zinc plated steel. To suit P/Ns 4901 and 4912.



Part Number

8022

Part Number	4901
	4901X
Maximum Load	16A @ 12V with 1.5mm ² cable (total). 25A @ 12V with 2.5mm ² cable (total).
Accessory	9.4901.05 Gasket with cable exit

7 Pole Plastic Socket

Black plastic socket with removable contact set.
P/N 4901X with disconnecting contact for rear fog
or rear parking sensors.



P/N 9.4901.05

Part Number	4902
Maximum Load	16A @ 12V with 1.5mm ² cable (total) 25A @ 12V with 2.5mm ² cable (total)

7 Pole Plastic Plug

Black plastic plug with strain relief.



Part Number	4909
Maximum Load	16A @ 12V with 1.5mm ² cable (total) 25A @ 12V with 2.5mm ² cable (total)

7 Pole Plastic Socket

Simply stores in boot until required.
Requires no permanent bumper mounting.



Part Number	4911	
	4911-BULK	PACK OF 25
Maximum Load	16A @ 12V with 1.5mm ² cable (total). 25A @ 12V with 2.5mm ² cable (total).	

7 Pole Metal Plug

Solid metal plug with cable strain relief.



Part Number	4912	
	4912-BULK	PACK OF 25
Maximum Load	16A @ 12V with 1.5mm ² cable (total). 25A @ 12V with 2.5mm ² cable (total).	

7 Pole Metal Socket

Solid metal socket with removable contact set.



7 Pole Flat Socket

Impact resistant, UV stabilised plastic spring loaded lid. Nickel plated contacts for excellent electrical performance.



Part Number	4920	
	4920-BULK	PACK OF 50
Maximum Load	20A @ 12V (total) 10A @ 24V (total)	

7 Pole Flat Plug

Impact resistant, UV stabilised plastic. Nickel plated contacts for excellent electrical performance.



Part Number	4921	
	4921-BULK	PACK OF 50
Maximum Load	20A @ 12V (total) 10A @ 24V (total)	

Flat Trailer Plug Holder

Flat plug holder to suit P/N 4921.



Part Number	8009	
	8009-BULK	PACK OF 20

ACCESSORIES



Part Number	8JB 007 645-021	CRIMP
	8JB 007 645-031	SCREW
Mounting	54mm diameter opening.	
Maximum Load	25A @ 24V (total)	
Cable	Suitable for cable 9 - 16mm in diameter.	
Spare Parts	9MK 726 762-831	Crimp contact set – 5 x 1.5mm ² , 2 x 4.0mm ² , 2 x 6.0mm ² , 2 x Blanks.

5/7 Pole ABS Socket

Made of black fibreglass reinforced nylon.



Part Number	8JA 007 644-041	CRIMP
	8JA 007 644-051	SCREW
Maximum Load	25A @ 24V (total)	
Spare Parts	9MK 726 759-831	Crimp contact set – 5 x 1.5mm ² , 2 x 4.0mm ² , 2 x 6.0mm ² , 2 x Blanks.
Cable	Suitable for cable 11 - 13mm in diameter.	

5/7 Pole ABS Plug

Made of black fibreglass reinforced nylon.



Part Number	8PD 004 508-031
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Plug-in Socket Tester

Designed for testing ABS sockets (ISO 1185).



Part Number	8PE 863 807-001
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Crimp Tool

Professional crimping tool for crimp contact pins and sleeves measuring from 1.5-6mm².



Part Number	8KA 007 648-001 (ABS)	5 PIN
	8KA 007 648-021 (EBS)	7 PIN
Cable	5 Pin 7 Pin	3 x 1.5mm ² + 2 x 4.0mm ² 5 x 1.5mm ² + 2 x 4.0mm ²
Cable Length	Up to 4.0m	

ABS/EBS Spiral Cable - 24 Volt

Spirally coiled cable with 2 plugs and guard grommets. Extremely resistant to high and low temperatures as well as weathering. High resistance to oils and chemicals. Made to withstand repeated bending.



7 Pole Heavy Duty Plug and Socket

Plug and socket made from metal, with screw terminals (ISO 1185).



Part Number	4907	SOCKET
	4908	PLUG
Maximum Load	15A @ 24V with 1.5mm ² cable (total) 20A @ 24V with 2.5mm ² cable (total)	
Cable	Suitable for cable 9.5 - 12.5mm in diameter.	



P/N 4908

13 Pole Plug and Socket

Socket with lid made from black plastic (ISO 11 446). Screw contacts.



Part Number	8JB 005 949-001	SOCKET
	8JA 005 951-001	PLUG
Maximum Load	16A @ 24V with 1.5mm ² cable (total) 25A @ 24V with 2.5mm ² cable (total)	



P/N 8JA 005 951-001

13 Pole to 7 Pole Adaptors

Adaptors for connecting a 13 pole vehicle socket with a 7 pole trailer plug.



Part Number	8JA 005 952-001
Maximum Load	16A @ 12V (total)
To suit late model vehicles with 13 pole plugs to standard round 7 pole, 250mm long.	



Part Number	8JA 008 969-001
Maximum Load	16A @ 12V (total)
To suit late model vehicles with 13 pole plugs to standard round 7 pole.	



Part Number	8JA 005 952-005
Maximum Load	16A @ 12V (total)
To suit late model vehicles with 13 pole plugs to standard flat 7 pole, 250mm long.	



Part Number	8JA 007 241-021	SCREW
	8JA 007 241-031	CRIMP
Maximum Load	16A @ 24V with 1.5mm ² cable (total) 25A @ 24V with 2.5mm ² cable (total)	
Cable	Suitable for cable diameter measuring 12 - 18mm.	

15 Pole Plastic Plug

Plastic plug with rubber gasket and nickel-plated pins. Featuring fibre glass reinforced polyamide housing and mechanical strain relief. Secure arrest with rust resistant metal bail (ISO 12 098).



Part Number	8JB 007 242-011	SCREW
	8JB 007 242-021	CRIMP
Maximum Load	16A @ 24V with 1.5mm ² cable (total) 25A @ 24V with 2.5mm ² cable (total)	
Cable	Suitable for cable diameter measuring 12 - 18mm.	

15 Pole Plastic Socket

Plastic socket with lid, rubber gasket and nickel-plated pins. Featuring fibre glass reinforced polyamide housing. PC gland for cable exit.



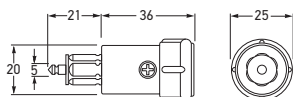
Part Number	8KA 007 648-041
Cable	12 x 1.5mm ² plus 3 x 2.5mm ² leads.
Cable Size	4m (stretched).

15 Pole Spiral Cable - 24 Volt

Spirally coiled cable with 2 plugs and guard grommets. Extremely resistant to high and low temperatures as well as weathering. Maximum resistance to oils and chemicals. Made to withstand repeated bending.

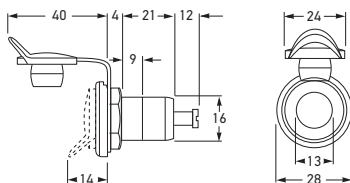


2 Pole Plug

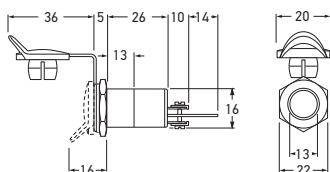


Part Number	4914	PLUG
Maximum Load	32A @ 12V 16A @ 24V	
Sockets to Suit	P/Ns 4915, 4916, 4917 and 4918.	

2 Pole Socket with Cover

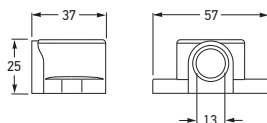


Part Number	4915	SOCKET
Mounting	19mm diameter opening.	
Maximum Load	16A @ 12V 8A @ 24V	

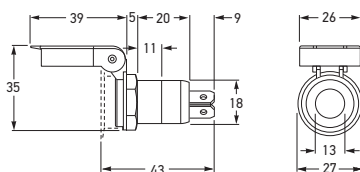
2 Pole Socket with Cover
- Insulated Earth

Part Number	4916	SOCKET
Mounting	19mm diameter opening.	
Maximum Load	16A @ 12V 8A @ 24V	

2 Pole Surface Mount Socket



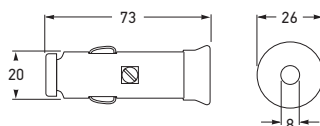
Part Number	4917	SOCKET
Mounting	Surface mount.	
Maximum Load	32A @ 12V 16A @ 24V	

2 Pole Socket with Metal Earth
Tab and Cover

Part Number	4918	SOCKET
Mounting	22mm diameter opening.	
Maximum Load	16A @ 12V 8A @ 24V	

2 Pole Power Plug

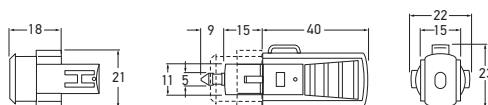
Suitable for standard cigarette sockets.



Part Number	4950	PLUG
Maximum Load	8A @ 12V 4A @ 24V	
Socket to Suit	4943-R	



2 Pole Universal Power/DIN Plug

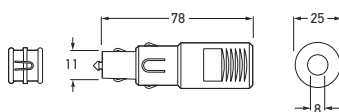


Part Number	4951	PLUG
Maximum Load	8A @ 12V 4A @ 24V	
Sockets to Suit	P/Ns 4915, 4916, 4917, 4918 and 4943-R.	



2 Pole Fused Power/DIN Plug

Combination lighter/DIN 2 pole plug with in-built 8A ceramic type fuse suitable for both cigarette lighter and DIN ISO 4165 sockets (standard 2 pole sockets).

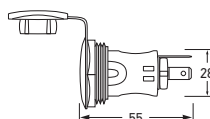


Part Number	4952	PLUG
Maximum Load	8A @ 12V	
Sockets to Suit	P/Ns 4915, 4916, 4917, 4918 and 4943-R.	



2 Pole Power Socket

2 pole lighter size power socket with protective cover for connection of a variety of electrical accessories.

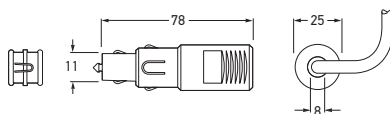


Part Number	4943-R	SOCKET
Maximum Load	15A @ 12V	



2 Pole Power Socket - Twin DIN Output

Twin Power Socket featuring two DIN 1465 output sockets for connection of accessories. Plugs into standard vehicle cigarette lighter sockets. Primary lighter plug connection features a removable extension piece allowing the unit to also plug into DIN 2 pole sockets if required.



Part Number	4939	SOCKET
Maximum Load	10A	



Super Tone Horn - Set of 2

Traffic blaster, generates a penetrating strong tone. Robust housing in a first-class design with striking grille. P/N 6037 also suitable for off-road use.

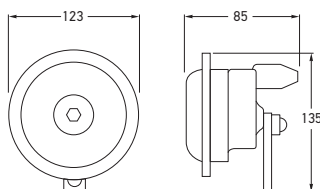


P/N 6036



P/N 6037

Rear view



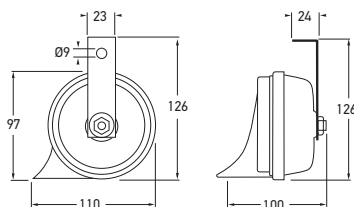
Part Number	6036	12 VOLT
	6037	
	6037-24V	24 VOLT
Power Consumption	6036 6037 6037-24V	66W x 2 78W x 2 84W x 2
Frequency	P/N 6036 P/N 6037/6037-24V	300/500Hz 375/500Hz
Sound Level	118dB	

Twin Tone Scroll Horn - Set of 2

Includes 12 volt relay.



Packaging



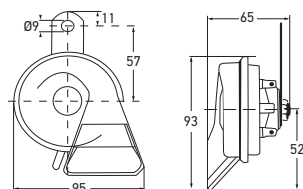
Part Number	6004	12 VOLT
Power Consumption	72W x 2	
Voltage	12V	
Frequency	High Tone Low Tone	500Hz 400Hz
Sound Level	Combined 110dB @ 2.0m	

Twin Tone Scroll Horn - Set of 2

Galvanised metal housing and plastic trumpet. Safe from corrosion.



Packaging



Part Number	6005	12 VOLT
Power Consumption	72W x 2	
Voltage	12V	
Frequency	High Tone Low Tone	500Hz 400Hz
Sound Level	Combined 110dB @ 2.0m	

ACCESSORIES

Low Tone Disc Horn

Single bolt mount. 92mm diameter.

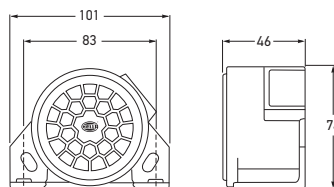
Part Number	6001	12 VOLT
	6002	24 VOLT
Power Consumption	72W	
Frequency	335Hz	
Sound Level	110dB @ 2.0m	



High Tone Disc Horn

Single bolt mount. 92mm diameter.

Part Number	6003	12 VOLT
	6020	24 VOLT
Power Consumption	72W	
Frequency	435Hz	
Sound Level	110dB @ 2.0m	



Multivolt™ Reversing Alarm and Signal Horn

Heavy duty reversing alarm with integrated, dual-tone signal horn. Reverse polarity and transient voltage spike protection.

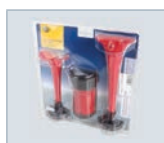
Part Number	6012	102dB
Mounting	Integrated universal mounting bracket for upright, pendant or surface mounting.	
Voltage	12-24V	
Current Draw	0.3A	
Frequency	Back-up alarm 100 - 1500Hz High Tone 1000 - 1500Hz Low Tone 80Hz (+/- 37%)	
Sound Level	102 +/- 4dB at 1.2m	
Temperature Range	-40°C to + 85°C	
Protection	IP 66 (Protection against dust and high pressure washing)	
Spare Part	6041	Activating switch (see page 265)
Compliance	SAE J994 Type F	



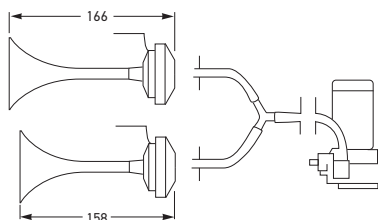
P/N 6041

Dual Trumpet Air Horn Kit

Installation accessories included.



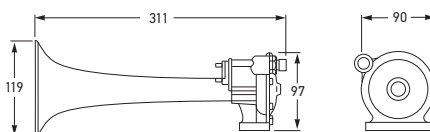
Blister packaging



Part Number	6014	12 VOLT
	6027	24 VOLT
Mounting	Installation accessories included.	
Current Draw	20A @ 12V 10A @ 24V	
Frequency	840/795Hz	
Sound Level	117dB	
Operating Pressure	110Kpa (16psi)	

Compressed Air Operated Horn

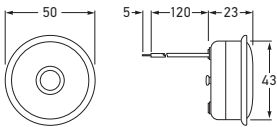
Ideal for trucks and buses. Grey shock-proof and corrosion resistant trumpet. This horn is designed to operate directly from the truck's air supply via the existing horn-button or separate switch.



Part Number	6025	12 VOLT
	6026	24 VOLT
Power Consumption	36W @ 12V, 48W @ 24V	
Frequency	400Hz	
Sound Level	118dB (at 2.0m)	
Operating Pressure	620-860Pa (90 - 125psi)	
Air Tube: 10mm internal diameter.		

Warning Buzzer

Piercing continuous sound. Suitable for a variety of applications e.g. headlamp, oil, handbrake, indicator, temperature, door close/open, brake fluid, etc.

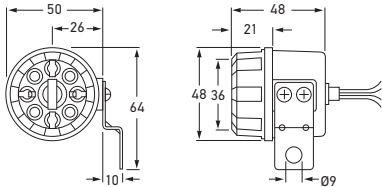


Part Number	6021		85dB
	6022		
Voltage	P/N 6021	12V	
	P/N 6022	24V	
Power Consumption	6W		
Current Draw	12V	Less than 50mA	
	24V	Less than 25mA	
Sound Level	85dB		



Multivolt™ Reversing Alarm

Durable intermittent reversing alarm. Easily fitted to any car or truck's reversing lamp wiring system or wire to a switch on your dashboard.



Part Number	6023		89dB
Voltage	12-36V		
Current Draw	Less than 50mA.		
Sound Level	89 +/- 2dB (at 1.2m)		



Activating Switch

Single direction. Off-on switch. Suits all reversing alarms and buzzers.

Part Number	6041		OFF-ON
Mounting	Adjacent to the gear shift lever or linkage.		
Protection	IP 55 (Protection against dust and water jets)		

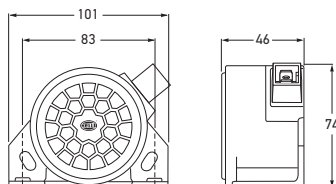


Heavy Duty Reversing Alarm

Heavy duty reversing alarm with integral AMP connection and fixed sound pressure levels between 90 and 107dB @ 1.2 metres. Epoxy encapsulated circuit boards offer protection against humidity, dirt and vibration.



P/N 9.6008.06



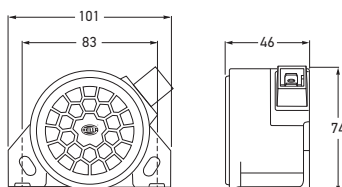
Part Number	6008	90dB
	6009	97dB
	6010	107dB
	6011	97dB
Mounting	Integrated universal mounting bracket for upright, pendant or surface mounting.	
Voltage	12-24V (P/N 6011 - 12-48V)	
Current Draw	P/N 6011	0.1A
	P/N 6008/6009	0.2A
	P/N 6010	0.3A
Frequency	60 signals per minute ($\pm 20\%$).	
Sound Level	P/N 6008	90 \pm 4dB @ 1.2m
	P/N 6009	97 \pm 4dB @ 1.2m
	P/N 6010	107 \pm 4dB @ 1.2m
	P/N 6011	97 \pm 4dB @ 1.2m
Temperature	Operating range -40°C to 85°C.	
Protection	IP 66 (Protection against dust and high pressure washing)	
Spare Part	9.6008.06	Plug and lead
Compliance	SAE J994	

Heavy Duty Reversing Alarm

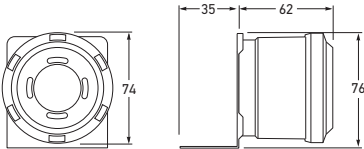
Heavy duty reversing alarm with integral AMP connection. Automatically adjusts sound pressure level to changing noise environments. Solid state electronics, self-adjusting to the minimum of 5dB above surrounding noise levels effectively reducing irritation. Epoxy encapsulated circuit boards offer protection against humidity, dirt and vibration.



P/N 9.6008.06



Part Number	6013	82-102dB
Mounting	Integrated universal mounting bracket for upright, pendant or surface mounting.	
Voltage	12-24V	
Current Draw	0.4A	
Frequency	60 signals per minute ($\pm 20\%$).	
Sound Level	82 - 102 \pm 4dB @ 1.2m	
Temperature	Operating range -40°C to 85°C.	
Protection	IP 66 (Protection against dust and high pressure washing)	
Spare Part	9.6008.06	Plug and lead
Compliance	SAE J994	



Part Number	6042	87dB
	6043	97dB
	6044	112dB
Mounting	Universal mounting comes complete with heavy-gauge plated steel mounting bracket. Can be installed on positive and negative ground vehicles.	
Voltage	12-24V (P/N 6043/6044 - 12-48V)	
Current Draw	Less than 0.20A	
Frequency	80 signals per minute +/- 20%	
Sound Level	P/N 6042	87dB @ 1.2m
	P/N 6043	97dB @ 1.2m
	P/N 6044	112dB @ 1.2m
Temperature	Operating range -40°C to 74°C	
Protection	Protection against dust and high pressure washing	
Compliance	SAE J994	

Evacuator Plus Heavy Duty Reversing Alarm

The Evacuator Plus heavy duty reversing and warning alarm features a lightweight piezoelectric output circuit.

The reduced weight of just 129 grams makes the Evacuator Plus virtually immune to vibration damage. Unique nickel plated conductive terminal inserts, which provide power to the alarm, are hermetically sealed, giving superior water resistant performance.

The housing is constructed of high impact ABS plastic resin and is environmentally sealed against moisture, dust and corrosion. Evacuator Plus reversing and warning alarms are steam cleanable.



Broadband Reversing Alarm

Reversing alarm with multi-frequency broadband sound.



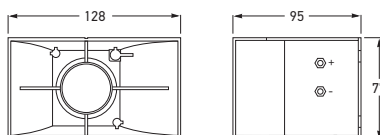
Part Number	6050-SA	77-97dB
Mounting	Integrated universal mounting bracket for upright, pendant or surface mounting.	
Voltage	12-24V	
Current Draw	Less than 1A.	
Frequency	White noise/broadband.	
Sound Level	P/N 6050-SA	77-97 ± 4dB @ 1.2m
Temperature	Operating range -40 to 85°C.	
Protection	IP 68 (Protection against dust and water immersion)	
Compliance	SAE J994	CE

Broadband Reversing Alarm

Reversing alarm with multi-frequency broadband sound.



Part Number	6051	92dB
	6052	97dB
Mounting	Integrated universal mounting bracket for upright, pendant or surface mounting.	
Voltage	12-24V	
Current Draw	Max. 0.5A	
Frequency	White noise/broadband.	
Sound Level	P/N 6051	92 ± 4dB @ 1.2m
	P/N 6052	97 ± 4dB @ 1.2m
Temperature	Operating range -40 to 85°C.	
Protection	IP 68 (Protection against dust and water immersion)	
Compliance	SAE J994	CE



Part Number	6047	82-107dB AUTO
Mounting	Universal mounting brackets.	
Voltage	12-48V	
Current draw	Less than 0.25A	
Frequency	80 signals per minute.	
Sound level	82 to 107dB @ 1.2m	
Temperature	-40°C to 77°C	
Protection	IP 55 (Protection against dust and water jets)	
Compliance	SAE J994	

Reversing Alarm

Reactor heavy duty reversing and warning alarm automatically adjusts to changing noise environments. State-of-the-art, solid-state electronics self-adjust to a minimum of 5dB above surrounding noise levels, thus reducing irritation, complaints and hearing impairment.

Reactor alarms feature integral universal mounting brackets and high impact ABS plastic resin housing and are totally environmentally sealed in epoxy to guard against moisture, dirt and vibration.



Part Number	6048	87-112dB AUTO
Mounting	Universal mounting brackets.	
Voltage	12-24V	
Current draw	Less than 0.50A	
Frequency	80 signals per minute.	
Sound level	87 to 112dB @ 1.2m	
Temperature	-40°C to 77°C	
Protection	IP 55 (Protection against dust and water jets)	
Compliance	SAE J994	

Reversing Alarm

Durable intermittent reversing alarm. Easily fitted to any car or truck's reversing lamp wiring system or wire to a switch on your dashboard.



Part Number	6049	107/112dB MANUAL
Mounting	Universal mounting brackets.	
Voltage	12-24V	
Current draw	Less than 0.8A	
Frequency	80 signals per minute.	
Sound level	107 or 112dB @ 1.2m	
Temperature	-40°C to 77°C	
Protection	IP 55 (Protection against dust and water jets)	
Compliance	SAE J994	

Reactor alarms comply with SAE J994 requirements and OSHA regulations.

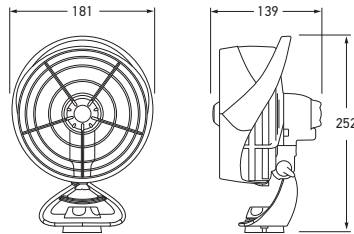
Reversing Alarm

Durable intermittent reversing alarm. Easily fitted to any car or truck's reversing lamp wiring system or wire to a switch on your dashboard.



Oscillating Turbo 2.0 Fan - Two Speed

Highly regarded HELLA turbo fans are strengthened by the arrival of the Turbo 2.0 series, now featuring an oscillating function to deliver refreshingly cool air circulation on board. Turbo 2.0 fans continue with HELLA's benchmark quiet operation, low power consumption and proven durable materials.

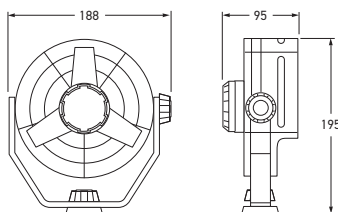


Part Number	8EV 003 366 012 (Black)	12 VOLT
	8EV 003 366-022 (White)	
Switch	Integrated 2 stage rotary	
Output	Speed 1: 70 litre/sec. Speed 2: 95 litre/sec.	
Power Consumption	<4W (<0.33A@12V)	
Cable Length	Pre-wired with 1.8m of cable.	



Turbo Fan

Turbo fans provide high capacity at low power consumption. Features include impact resistant housing, low-noise operation and soft plastic impellers, shielded by sturdy protective grille for added safety. Fans can be turned in all directions, and locked in position. Airflow can be regulated by two-stage switch.



Part Number	8EV 003 361-002	12 VOLT
	8EV 003 361-022 (White)	
	8EV 003 361-012	24 VOLT
Power Consumption	6.5W	
Cable Length	Pre-wired with 140mm of cable.	
Min. Service Life	5000 hours (tested under extreme conditions)	

Part Number	CRIMPING TOOL - INSULATED TERMINALS
	8271

Specially designed for the handyman and hobbyist, a useful crimping tool that cuts cable, strips cable insulation and crimps all popular insulated terminals.

Part Number	CRIMPING TOOL - INSULATED TERMINALS
	8272

Spring return hand grips. Cuts and strips insulation from cable measuring 2.5-6mm in diameter (0.75-6mm²). Crimps all popular insulated and non-insulated terminals. Cuts bolts with metric threads M2.6, M3, M3.5, M4, M5.

Part Number	CRIMPING TOOL - INSULATED TERMINALS
	8273

Adjustable ratchet mechanism and spring release ensures a perfect crimp every time for insulated terminals.

Part Number	CRIMPING TOOL - NON-INSULATED TERMINALS
	8274

Adjustable ratchet mechanism and spring release ensures a perfect crimp every time for open barrel non-insulated terminals.

Part Number	CRIMPING TOOL - DT TERMINALS
	8275

Specially designed crimping tool with multiple jaws for an even crimp of DT terminals. See pages 272-273 for DT connectors.

Part Number	CRIMPING TOOL - SUPER SEAL TERMINALS
	8298

Crimping tool designed for use with super seal connector terminals. See pages 274-275 for super seal connectors.

Part Number	CRIMPING TOOL - ABS TERMINALS
	8PE 863 807-001

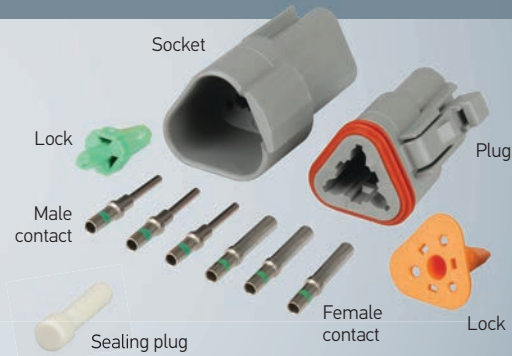
Crimping tool designed for use with ABS connectors. See page 257 for ABS plugs, sockets and connectors.



DT Connectors

Environmentally sealed connectors rated at -55° to 125°C.
Supplied with solid copper crimp contacts, locking wedges
and large I.D. removable contacts, 1.9mm in diameter.

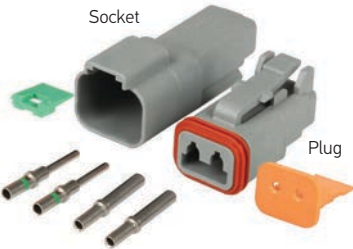
Maximum Load	13A - all contacts	
Spare Parts	9.4960.01	Small I.D. female contact to suit plug
	9.4960.02	Small I.D. male contact to suit socket
	9.4960.03	Large I.D. female contact to suit plug
	9.4960.04	Large I.D. male contact to suit socket
	9.4960.05	Sealing plug



Small I.D. = 1.6mm diameter. Large I.D. = 1.9mm diameter. Plug and socket kits come complete with terminals and seals.

2 Pole Plug and Socket

Supplied with 4 solid copper crimp contacts
and 2 locking wedges. Bulk pack supplied
with 2 pole connectors and contacts to suit.



Part Number	2 POLE PLUG AND SOCKET	
	4960	
	2 POLE PLUG	
	4960MF	PACK OF 10
	2 POLE SOCKET	
	4960FM	PACK OF 10
	2 POLE PLUG KIT	
	4960-P	

3 Pole Plug and Socket

Supplied with 6 solid copper crimp contacts
and 2 locking wedges.



Part Number	4961
-------------	------

4 Pole Plug and Socket

Supplied with 8 solid copper crimp contacts
and 2 locking wedges.



Part Number	4962
-------------	------

6 Pole Plug and Socket

Supplied with 12 solid copper crimp contacts and 2 locking wedges.

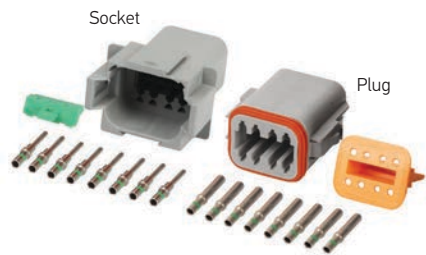
Part Number	4963
	6 PIN PLUG KIT
	4963-P



8 Pole Plug and Socket

Supplied with 16 solid copper crimp contacts and 2 locking wedges.

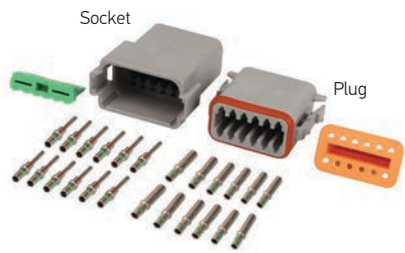
Part Number	4964
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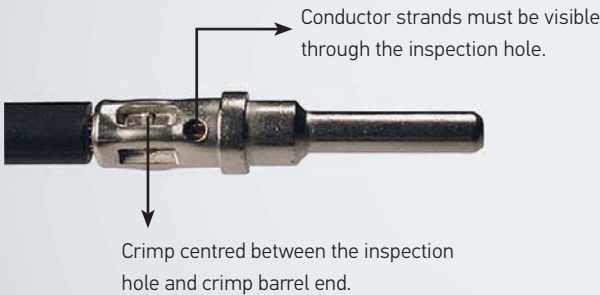
12 Pole Plug and Socket

Supplied with 24 solid copper crimp contacts and 2 locking wedges.

Part Number	4965
-------------	------



A PROPER CRIMP



Visual Inspection Checklist

- ✓ NO damaged wire strands.
- ✓ NO missing wire strands.
- ✓ ALL strands entered into contact barrel.

Super Seal Connectors

Super seal connector housings were developed to satisfy increasing requirements for safety and reliability in the field of electrical connections. The connectors can be connected to existing components and used with the equipment presently in use in the automotive industry (sensors, oil pressure sensors, water temperature monitoring circuits, etc.).

- IP 67 (Protection against dust and temporary water immersion)
- Robust and reliable contact. Max. current 14A.
- Prefabricated secondary lock ensures that the terminal is plugged into the housing correctly and prevents slipping out of the connector.



For 'P' and 'S' versions only the bare connector is supplied. Select appropriate seals and terminals to suit. Plug and socket kits come complete with terminals and seals.



P/N 4981-P



P/N 4981-S

1 POLE PLUG AND SOCKET		
Part Number	4981-P (Pack of 4)	PLUG
	4981-S (Pack of 4)	SOCKET



P/N 4982-P



P/N 4982-S

2 POLE PLUG AND SOCKET		
Part Number	4982 (Kit)	PLUG AND SOCKET
	4982-P (Pack of 4)	PLUG
	4982-S (Pack of 4)	SOCKET

Spare Part 9.4982.05 Rubber sealing boot – cable support



P/N 4983-P



P/N 4983-S

3 POLE PLUG AND SOCKET		
Part Number	4983 (Kit)	PLUG AND SOCKET
	4983-P (Pack of 3)	PLUG
	4983-S (Pack of 3)	SOCKET

Spare Part 9.4983.05 Rubber sealing boot – cable support



P/N 4984-P



P/N 4984-S

4 POLE PLUG AND SOCKET		
Part Number	4984 (Kit)	PLUG AND SOCKET
	4984-P (Pack of 3)	PLUG
	4984-S (Pack of 3)	SOCKET



P/N 4985-P



P/N 4985-S

5 POLE PLUG AND SOCKET		
Part Number	4985-P (Pack of 2)	PLUG
	4985-S (Pack of 2)	SOCKET



P/N 4986-P



P/N 4986-S

6 POLE PLUG AND SOCKET		
Part Number	4986-P (Pack of 2)	PLUG
	4986-S (Pack of 2)	SOCKET

Part Number	4980
Contents	5 of each connector, plug and socket 100 9.4980.02 Socket terminals 100 9.4980.04 Plug terminals 100 9.4980.06 Yellow seals 100 9.4980.09 Red cavity plugs

Part Number	FEMALE TERMINALS FOR PLUG - PACK OF 50	
	9.4980.01	
	9.4980.02	
To Suit	P/N 9.4980.01	0.35 - 0.50mm ² cable
	P/N 9.4980.02	0.50 - 1.50mm ² cable

Part Number	MALE TERMINALS FOR SOCKET - PACK OF 50	
	9.4980.03	
	9.4980.04	
To Suit	P/N 9.4980.03	0.35 - 0.50mm ² cable
	P/N 9.4980.04	0.50 - 1.50mm ² cable

Part Number	SEALS FOR PLUG/SOCKET - PACK OF 50	
	9.4980.05	GREEN SEAL
	9.4980.06	YELLOW SEAL
	9.4980.07	RED SEAL
	9.4980.09	RED CAVITY PLUG (NO HOLE)
To Suit	P/N 9.4980.05	Cable insulation 1.2 - 1.6mm diameter
	P/N 9.4980.06	Cable insulation 1.7 - 2.4mm diameter
	P/N 9.4980.07	Cable insulation 2.5 - 3.3mm diameter
	P/N 9.4980.09	Red cavity plug (no hole)

Part Number	RUBBER SEALING BOOT - CABLE SUPPORT	
	9.4982.05	
	9.4983.05	
To Suit	P/N 9.4982.05	2 pin connector
	P/N 9.4983.05	3 pin connector

Part Number	SUPER SEAL TOOLS	
	9.4980.20	CONTACT EXTRACTION TOOL
	9.4980.21	SECONDARY LOCK TOOL

Extraction tools for the popular super seal range of connectors, to assist in disassembly if required.

Part Number	CRIMPING TOOL - SUPER SEAL TERMINALS	
	8298	

Crimping tool designed for use with super seal connector terminals.

Super Seal Connector Kit

Kit contains a variety of super seal connectors.





PUSH-ON FEMALE TERMINALS

Part Number	Type	Quantity Per Pack	Size	Cable
8200	BLISTER PACK	20	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm² cable
8500	BULK PACK	100		
8201	BLISTER PACK	20	6.3mm	4mm cable. 1.84mm² cable
8501	BULK PACK	100		
8202	BLISTER PACK	15	6.3mm	5 to 6mm cable 2.9 to 4.59mm² cable
8502	BULK PACK	100		
8203	BLISTER PACK	12	9.5mm	
8503	BULK PACK	100		

FULLY INSULATED FEMALE TERMINALS

8204	BLISTER PACK	12	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8504	BULK PACK	100		
8205	BLISTER PACK	12	6.3mm	4mm cable. 1.84mm ² cable
8505	BULK PACK	100		

PUSH-ON 2-WAY MALE AND FEMALE TERMINALS

8210	BLISTER PACK	15	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8510	BULK PACK	100		
8211	BLISTER PACK	12	6.3mm	4mm cable. 1.84mm ² cable
8511	BULK PACK	100		
8212	BLISTER PACK	15	6.3mm	
8512	BULK PACK	100		

BLADE MALE TERMINALS

8213	BLISTER PACK	15	6.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable
8513	BULK PACK	100		
8214	BLISTER PACK	12	6.3mm	4mm cable. 1.84mm ² cable
8514	BULK PACK	100		
8215	BLISTER PACK	10	6.3mm	5 to 6mm cable 2.9 to 4.59mm ² cable
8515	BULK PACK	100		

BULLET SINGLE MALE CONNECTORS

8220	BLISTER PACK	12		2.5 to 3mm cable 0.75 to 1.13mm ² cable
8520	BULK PACK	100		
8221	BLISTER PACK	14		4mm cable. 1.84mm ² cable
8521	BULK PACK	100		

BULLET SINGLE FEMALE CONNECTORS

8222	BLISTER PACK	12		2.5 to 3mm cable 0.75 to 1.13mm ² cable
8522	BULK PACK	100		
8223	BLISTER PACK	14		4mm cable. 1.84mm ² cable
8523	BULK PACK	100		

ACCESSORIES

CABLE CONNECTORS					
Part Number	Type	Quantity Per Pack	Size	Cable	
8224	BLISTER PACK	13		Suited for brass bullet terminals.	
8524	BULK PACK	100			
8230	BLISTER PACK	15		2.5 to 3mm cable 0.75 to 1.13mm ² cable	
8530	BULK PACK	100			
8231	BLISTER PACK	15		4mm cable. 1.84mm ² cable	
8531	BULK PACK	100			
8232	BLISTER PACK	10		5 to 6mm cable 2.9 to 4.59mm ² cable	
8532	BULK PACK	100			
QUICK CONNECT CABLE CONNECTORS					
8235	BLISTER PACK	15			
8535	BULK PACK	50			
With the use of pliers, connects splices and insulates 0.75 to 1.13mm ² (2.5 to 3mm) cable.					
EYE TERMINALS					
8240	BLISTER PACK	25	4.3mm	2.5 to 3mm cable 0.75 to 1.13mm ² cable	
8540	BULK PACK	100			
8241	BLISTER PACK	20	5mm		
8541	BULK PACK	100			
8242	BLISTER PACK	15	6.3mm	4mm cable. 1.84mm ² cable	
8542	BULK PACK	100			
8243	BLISTER PACK	20	5mm		
8543	BULK PACK	100			
8244	BLISTER PACK	20	6.3mm		
8544	BULK PACK	100			
8245	BLISTER PACK	15	8.4mm		
8545	BULK PACK	100			
8246	BLISTER PACK	12	6.3mm	5 to 6mm cable 2.9 to 4.59mm ² cable	
8546	BULK PACK	100			
8247	BLISTER PACK	12	8.4mm		
8547	BULK PACK	100			
8248	BLISTER PACK	10	9.5mm		
8548	BULK PACK	100			
8249	BLISTER PACK	10	5mm		
8549	BULK PACK	100			
NON-INSULATED BRASS LUCAR TERMINAL - WITH LOCK TAB					
8573	BULK PACK	100	6.3mm	1.84mm ² cable	



Insulated Terminal Assortment

Pack of 16 and 31 popular HELLA connectors/terminals.



Part Number	8280	PACK OF 16
	8281	PACK OF 31

Garage/Auto Electrical Assortment Kit - 188 Piece

Assortment containing 12 types of HELLA connectors/terminals specifically designed to meet the requirements of the automotive industry.



Part Number	8282	
Contents	A quantity of 12 complete packs.	
Part Number	Description	Quantity
8200	Push-on female terminal	20
8201	Push-on female terminal	20
8202	Push-on female terminal	15
8203	Push-on female terminal	12
8210	Push-on 2-way male and female terminal	15
8211	Push-on 2-way male and female terminal	12
8230	Cable connector	15
8231	Cable connector	15
8232	Cable connector	10
8241	Eye terminal	20
8244	Eye terminal	20
8247	Eye terminal	12

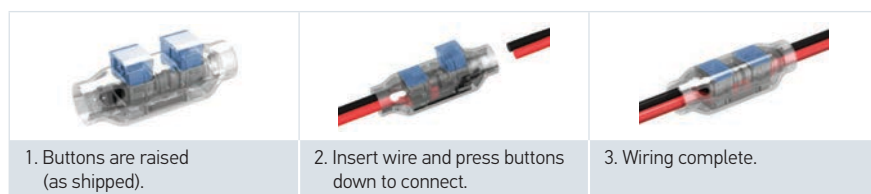
Insulated Terminal and Connector Kit - 800 Piece

Assortment containing 16 types of HELLA connectors/terminals specifically designed to meet the requirements of the automotive industry. Kit includes crimp tool P/N 8272.



Part Number	8284	
Contents	16 types of HELLA connectors/terminals.	
Part Number	Description	Quantity
8200	Push-on female terminal	50
8201	Push-on female terminal	50
8204	Fully Insulated female terminal	50
8205	Fully Insulated female terminal	50
8213	Blade male terminal	50
8214	Blade male terminal	50
8220	Bullet single male connector	50
8221	Bullet single male connector	50
8222	Bullet single female connector	50
8223	Bullet single female connector	50
8230	Cable connector	50
8231	Cable connector	50
8235	Quick connect cable connector	50
8241	Eye terminal	50
8244	Eye terminal	50
8247	Eye terminal	50
8272	Crimping tool – Insulated terminals	1

Part Number	8234S Clear		PACK OF 4
	8234SY Yellow		
Conductors	2 in - 2 out.		
Cable	8234S 8234SY	0.82mm ² 0.5mm ²	
Max. Insulation Size	7.4mmØ		
Max. Current	8234S 8234SY	5A 3.5A	
Protection	IP 65 (Protection against dust and water jets) IP 67 (Protection against dust and temporary water immersion)		



CoolSplice Sealed Connector

This connector can easily make a permanent wire-to-wire cable termination. Designed for a single use, it allows for positive and negative conductors in the same connector (2 in and 2 out, and insulated from each other).

Both sides can be terminated separately and independently from each other, making the connector suitable on a pig-tail. No special tools are required, a standard pair of pliers will do.

The CoolSplice connector is UL and KEMA approved. It is recommended that the connector is housed inside an enclosure if used outdoors.



Heat Shrink Insulated Crimp Terminals - Pack of 10

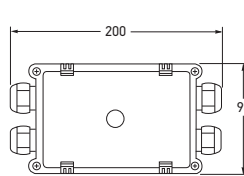
Fully insulated cable terminals with shrink-on nylon cap either with hot air gun or other heat source. Shrinking temperature 135°C.

Part Number	Type	Colour	Cable Size	Description
8204S	BLADE RECEPTACLES	RED	0.5 - 1mm ²	To suit blade terminals 6.3 x 0.8mm. Fully insulated.
8205S		BLUE	1.5 - 2.5mm ²	
8213S	BLADE TERMINALS	RED	0.5 - 1mm ²	Size of blade terminal 6.3 x 0.8mm.
8214S		BLUE	1.5 - 2.5mm ²	
8240S	RING CONNECTORS	RED	0.5 - 1mm ²	To suit M4 pins.
8236S		BLUE	1.5 - 2.5mm ²	
8241S	RING CONNECTORS	RED	0.5 - 1mm ²	To suit M5 pins.
8243S		BLUE	1.5 - 2.5mm ²	
8249S		YELLOW	4 - 6mm ²	
8244S	RING CONNECTORS	BLUE	1.5 - 2.5mm ²	To suit M6 pins.
8246S		YELLOW	4 - 6mm ²	
8245S	RING CONNECTORS	BLUE	1.5 - 2.5mm ²	To suit M8 pins.
8247S		YELLOW	4 - 6mm ²	
8230S	BUTT CONNECTORS	RED	0.5 - 1mm ²	
8231S		BLUE	1.5 - 2.5mm ²	
8232S		YELLOW	4 - 6mm ²	

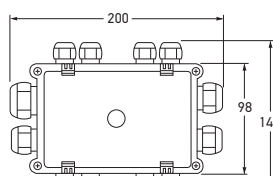


Cable Junction Box

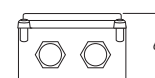
Compact cable junction box with the option of 4 or 12 inlet/outlets, and outer cable size from Ø10mm to Ø17mm. Complete with connecting cartridge allowing 14 separate groups of connections (6 x 8-way and 8 x 4-way) all using 6.3mm flat blade connectors. The heavy duty nylon housing will withstand common lubricants found underneath truck and trailers, and is safe to clean with high pressure washing equipment.



P/N 2770



P/N 2771



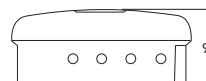
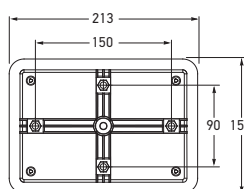
Part Number	2770	4 OUTLETS
	2771	12 OUTLETS
Fittings	2770 2771	4 x Ø13mm 1 x Ø17mm + 3 x Ø13mm + 8 x Ø10mm
Protection	IP 69K (Protection against dust and high pressure/steam jet cleaning)	
Plug Cartridge	14 separate connection groups.	



Connecting cartridge

Junction Box - Heavy Duty

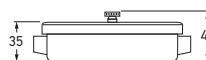
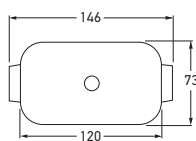
Heavy duty nylon junction box. Box can be opened without tools via a single stainless steel bolt. Large sealing gasket withstands high pressure water blasting. Internal mounting plate for fitment of connector blocks and/or relays by self-tapping screws. Large size allows for multiple connections.



Part Number	2755
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Cable Junction Box

8 Screw connections.



Part Number	2757
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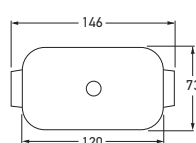
Cable Suitable for medium cable up to 6mm² cross-sectional area.

Cable Junction Box

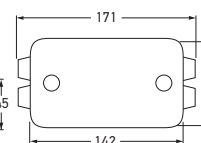
8 pole, 8 double flat plug connection.



P/N 2759



P/N 2758



P/N 2759

Part Number	2758	
	2759	

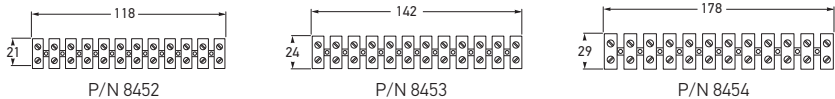
To Suit P/N 2758 Suitable for medium cable up to 6mm² cross-sectional area.
P/N 2759 Suitable for heavy cable up to 10mm² cross-sectional area.



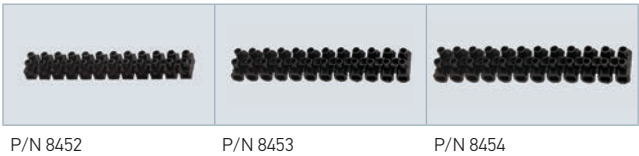
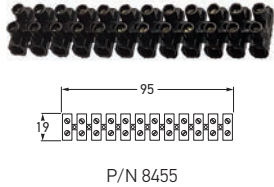
P/N 2758

Cable Connectors

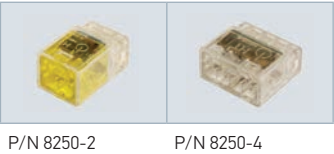
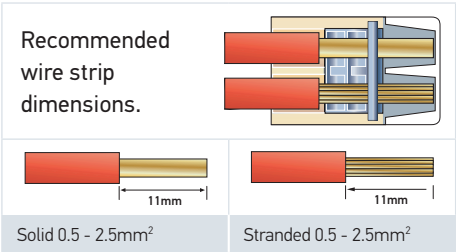
Set of 12 brass terminals. Flexible plastic.



Part Number	8455	SET OF 12
	8452	
	8453	
	8454	
To Suit	P/N 8455	Cables up to 2.5mm (0.75mm ²)
	P/N 8452	Cables up to 3mm (1.13mm ²)
	P/N 8453	Cables up to 4mm (2.90mm ²)
	P/N 8454	Cables up to 6mm (4.59mm ²)



Part Number	8250-2 (2 Pole)	PACK OF 8
	8250-4 (4 Pole)	PACK OF 6
	8250-6 (6 Pole)	PACK OF 4
Cable	Suitable for cable 0.5mm ² - 2.5mm ² cross-sectional area.	
Max. Current	24A @ 24V	



Push-in Wire Connectors

Push-in wire connectors used for fast, easy and reliable connection and distribution of cables and conductors. The cables are commonly connected together inside the connector.

Available in 2, 4 and 6 pole versions and colour coded for easy identification, these connectors are suitable for a wide variety of applications. They are made from non-corrosive materials and are recommended for use in a clean and dry environment to prevent corrosion.



Part Number	4991	1 POLE
	4992	2 POLE
	4993	3 POLE
	4994	4 POLE
	4995	6 POLE
	4996	8 POLE
Max. Load	10A per terminal.	
Max. Cable Size	2.0mm ²	



Connector Kits

White connector kits. Includes brass terminals.



Self Bonding Rubber Tape - Black

Self bonding adhesive tape. Supple, waterproof, permanently resilient and high stretch. This self bonding adhesive tape is used for assembling cable sleeves and repairing damaged cable and leads and is also suitable for sealing hoses. For optimum insulation and self bonding, a minimum 50% overlap and tensile stretch of at least 50% is recommended.



Part Number	8300	19MM X 5M
Tape Thickness	1.0 +/- 0.2mm	
Elongation at Break	55%	
Temperature Range	-40°C to 105°C	

Insulation Tape - Black

Black insulation tape. Made from lead free PVC. Suitable for fine wire, cables and applications requiring non-corrosive tape.



Part Number	8312	18MM X 20M
Tape Thickness	0.18mm	
Elongation at Break	215%	

Duct Tape - Black

Premium quality plastic coated rayon fabric backing, with a high tack aggressive rubber based adhesive on one side.



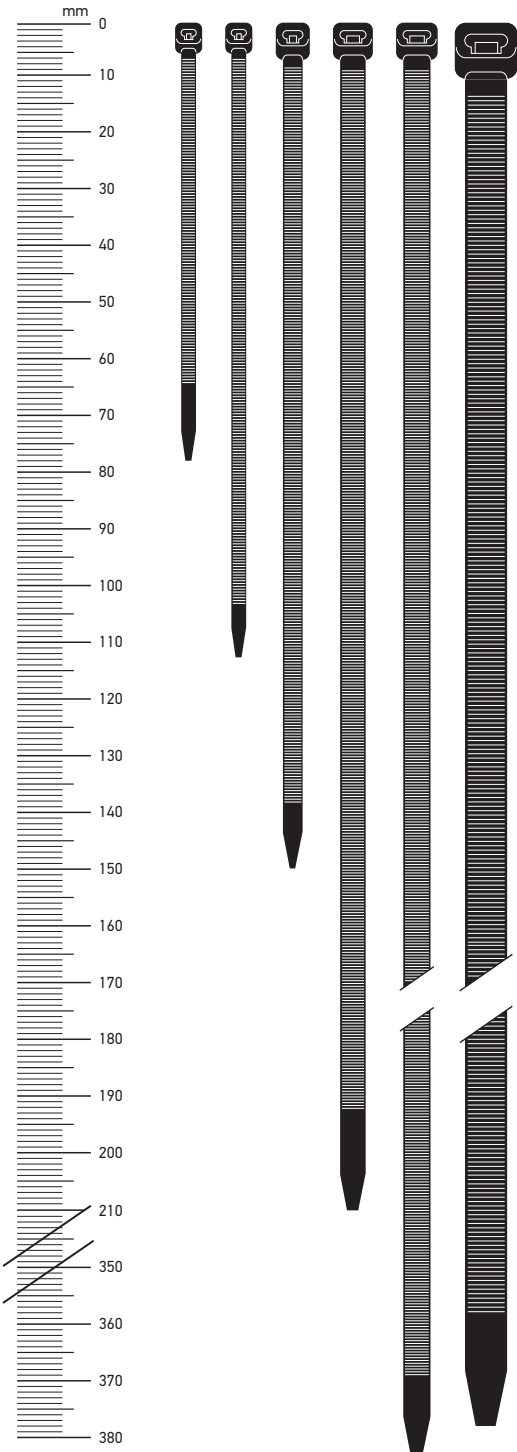
Part Number	8320	48MM X 30M
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Nylon Cable Ties

100% 6/6 nylon cable ties. Very flexible locking latch. Bell-mouthed head allows easier threading than previous ties. Strongest possible locking power without damaging the serrations of the tie. Quick fastening and simple locking mechanism. Black ties are UV resistant.

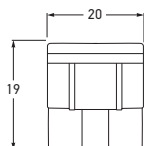
WHITE CABLE TIES		
Quantity 100 Per Pack	Length	Width
8341	78mm	2.5mm
8342	103mm	2.5mm
8343	143mm	3.2mm
8344	191mm	4.8mm
8345	368mm	4.8mm
8346	378mm	7.6mm

BLACK UV RESISTANT CABLE TIES				
Quantity 10 Per Pack	Quantity 100 Per Pack	Quantity 1000 Per Pack	Length	Width
8331UV	8341UV		80mm	2.5mm
	8342UV	8342UV-BULK	103mm	2.5mm
8333UV	8343UV	8343UV-BULK	147mm	3.2mm
8334UV	8344UV	8344UV-BULK	208mm	4.6mm
8335UV	8345UV	8345UV-BULK	390mm	4.8mm
8336UV	8346UV	8346UV-BULK	380mm	7.6mm



Standard Blade Fuses (ATS)

- Pack of 10



P/N 8772

P/N 8773

P/N 8774



P/N 8775

P/N 8776

P/N 8777

Part Number	8771	TAN	5A
	8772	BROWN	7.5A
	8773	RED	10A
	8774	BLUE	15A
	8775	YELLOW	20A
	8776	WHITE	25A
	8777	GREEN	30A

Motorist Fuse Assortment (ATS)

- Pack of 10

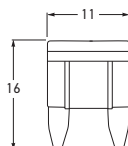
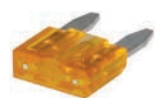
10 popular blade fuses – ideal for the glove box.



Part Number	8779
Contents	1 x 7.5A 2 x 10A 2 x 15A 2 x 20A 2 x 25A 1 x 30A

Mini Blade Fuses (ATN) - Pack of 10

10 popular blade fuses – ideal for the glove box.



P/N 8772MINI

P/N 8773MINI

P/N 8774MINI



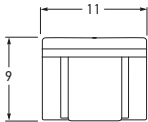
P/N 8775MINI

P/N 8776MINI

P/N 8777MINI

Part Number	8771MINI	TAN	5A
	8772MINI	BROWN	7.5A
	8773MINI	RED	10A
	8774MINI	BLUE	15A
	8775MINI	YELLOW	20A
	8776MINI	WHITE	25A
	8777MINI	GREEN	30A

Low Profile Blade Fuses (ATT)
- Pack of 10



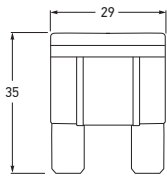
Part Number	8771LP	TAN	5A
	8772LP	BROWN	7.5A
	8773LP	RED	10A
	8774LP	BLUE	15A
	8775LP	YELLOW	20A
	8776LP	WHITE	25A
	8777LP	GREEN	30A



P/N 8772LP P/N 8773LP P/N 8774LP



P/N 8775LP P/N 8776LP P/N 8777LP



Maxi Blade Fuses (ATM)
- Single Pack

Part Number	8790	YELLOW	20A
	8791	GREEN	30A
	8792	ORANGE	40A
	8793	RED	50A
	8794	BLUE	60A
	8796	BROWN	70A
	8795	WHITE	80A

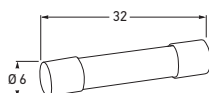


P/N 8791 P/N 8792 P/N 8793



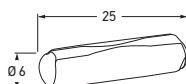
P/N 8794 P/N 8796 P/N 8795

Glass Fuses (3AG) - Pack of 5



Part Number	8755	3 AMP
	8756	5 AMP
	8757	7.5 AMP
	8754	10 AMP
	8758	15 AMP
	8759	20 AMP
	8760	25 AMP
	8761	30 AMP

Ceramic Fuses - Pack of 5



Part Number	8750	8 AMP
	8753	16 AMP
	8751	25 AMP



P/N 8751

P/N 8753

Circuit Breakers - Standard Blade Fuse Replacement

Compact single pole, heavy duty thermal circuit breakers with push-to-reset mechanism and separate (colour coded) manual release for extra low voltage wiring systems on all types of vehicles and marine craft. Fitted with blade terminals for plug-in mounting and retaining clips and ribs for increased pull-out force and vibration resistance. Ideal replacement for blade fuses in heavy duty applications.



Part Number	8736	PURPLE	3A
	8737	GREEN	6A
	8738	RED	10A
	8739	BLUE	15A
	8740	YELLOW	20A
	8741	WHITE	25A

Voltage

Max. 28V (Min. 10V)



P/N 8737

P/N 8738

P/N 8739

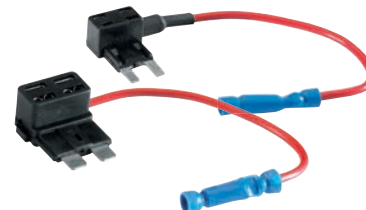
P/N 8740

P/N 8741

Auxiliary Blade Fuse Holder

Add on fuse holder. Fuse holder allows you to piggy back off the original fuse with an additional holder and separate fused circuit. Comes complete with 4 fuses (3A, 5A, 7.5A and 10A).

Part Number	8701	MINI
	8703	STANDARD/ATS
To Suit	Mobile phones, stereos, amplifiers, navigation systems and fridges.	



Pre-wired Blade Fuse Holders

Part Number	8713	MINI
	8714	STANDARD
	8715	MAXI



P/N 8714

P/N 8715

Pre-wired Glass Fuse Holders

Part Number	8765	MAX. 30A
	8766	MAX. 10A



Glass Fuse Holder - Panel Mount

Part Number	8768	SOLDER TERMINALS
	8769	PUSH-ON TERMINALS
Mounting	15mm diameter opening.	



P/N 8769

Single Blade Fuse Holder

Several holders may be joined together or mated with P/N 4973 (relay holder). Comes complete with 2 terminals.



Part Number	8704
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Cable	Suitable for cable up to 2.5mm ² cross sectional area.
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Single Maxi Blade Fuse Holder

Splash-proof fuse holder with plastic cover. For loads up to 60A. Complete with 2 sets of terminals, set one for 2.5 - 6mm² and set two for 5 - 10mm².

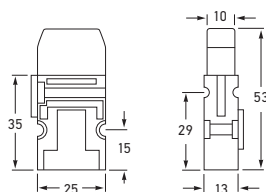


Part Number	8707
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Cable	Suitable for cables up to 2.5mm ² - 10mm ² cross sectional area.
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Single Blade Fuse Holder

30 amps maximum. May be interlocked face to face or end to end. Complete with transparent dust cover lid and snap-in terminals.



Part Number	8718
-------------	------

Cable	Suitable for cable up to 2.90mm ² cross sectional area.
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Single In-line Blade Fuse Holder

20 amps maximum. Complete with 15A blade fuse. Quick connect type, manufactured by 3M U.S.A.

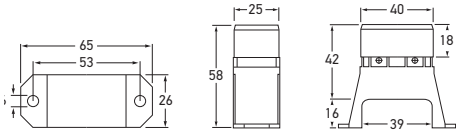


Part Number	8719
-------------	------

Cable	Suitable for cable up to 1.84mm ² cross sectional area.
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Blade Fuse Box - 4 Fuses

Black plastic housing with transparent snap-fit lid. Flat plug connections.

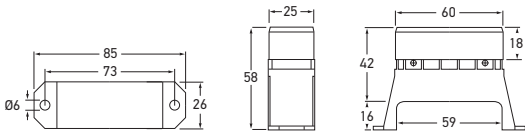


Part Number	8720	
	8720-S	SIDE CONNECTORS
Number of Fuses	4	
Fuse Type	2 x 10A 2 x 15A	

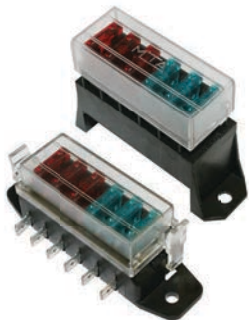


Blade Fuse Box - 6 Fuses

Black plastic housing with transparent snap-fit lid. Flat plug connections.

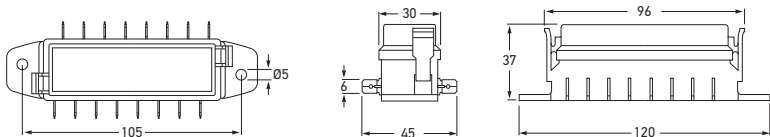


Part Number	8721	
	8721-S	SIDE CONNECTORS
Number of Fuses	6	
Fuse Type	3 x 10A 3 x 15A	



Blade Fuse Box - 8 Fuses

Black plastic housing with transparent snap-fit lid. Flat plug connections.

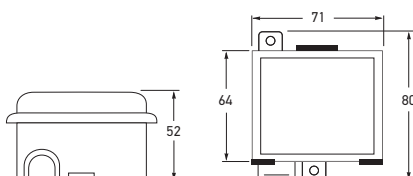


Part Number	8722	
	8722-S	SIDE CONNECTORS
Number of Fuses	8	
Fuse Type	4 x 10A 4 x 15A	



Blade Fuse Box - 12 Fuses

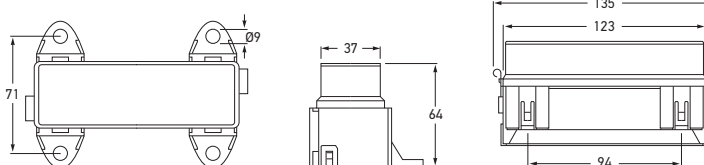
Black plastic housing with transparent snap fit lid incorporating sealing gasket. Provision for storing 4 spare fuses. Special sealing gland for cable entry.



Part Number	8723
Number of Fuses	12
Fuse Type	4 x 10A 4 x 15A 2 x 20A 2 x 25A

Blade Fuse Box - 16 Fuses

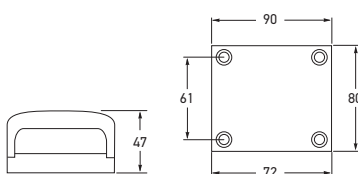
16-way fuse box featuring black plastic housing with secondary locks, transparent cover and sealing gasket. Supplied with mounting brackets (male and female).



Part Number	8724
Number of Fuses	16
Fuse Type	6 x 10A 6 x 15A 2 x 20A 2 x 25A

Blade Fuse Box - 6 Fuses

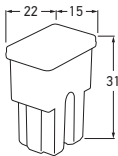
Black plastic housing with transparent snap-fit lid and 6.3mm male blade terminals. 6mm diameter stud input. Complete with 2 spare fuse holders and label set.



Part Number	8725
Number of Fuses	6
Fuse Type	3 x 10A 3 x 15A

Fusable Link - Female

Female plug-in fuse link.



Part Number	8790-FLFS	LIGHT BLUE	20A
	8791-FLFS	PINK	30A
	8792-FLFS	GREEN	40A
	8793-FLFS	RED	50A
	8794-FLFS	YELLOW	60A
	8795-FLFS	BROWN	70A
	8796-FLFS	BLACK	80A
	8797-FLFS	BLUE	100A



P/N 8790-FLFS

P/N 8797-FLFS



P/N 8791-FLFS

P/N 8792-FLFS

P/N 8793-FLFS

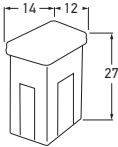
P/N 8794-FLFS

P/N 8795-FLFS

P/N 8796-FLFS

Mini Fusible Link - Female

Female mini plug-in fuse link.



Part Number	8790-FLFE	LIGHT BLUE	20A
	8791-FLFE	PINK	30A
	8792-FLFE	GREEN	40A
	8793-FLFE	RED	50A
	8794-FLFE	YELLOW	60A
	8795-FLFE	BROWN	70A
	8796-FLFE	BLACK	80A



P/N 8790-FLFE

P/N 8791-FLFE



P/N 8792-FLFE

P/N 8793-FLFE

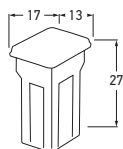
P/N 8794-FLFE

P/N 8795-FLFE

P/N 8796-FLFE

Mini Fusible Link - Female

Mini female plug-in fuse link.

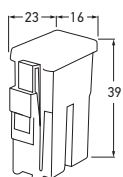


Part Number	8790-FLFM	LIGHT BLUE	20A
	8791-FLFM	PINK	30A
	8792-FLFM	GREEN	40A
	8793-FLFM	RED	50A
	8794-FLFM	YELLOW	60A
	8795-FLFM	BROWN	70A
	8796-FLFM	BLACK	80A
	8797-FLFM	BLUE	100A



Fusible Link with Lock Tab - Female

Female plug-in fuse link with lock.

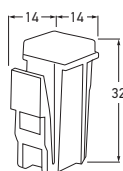


Part Number	8792-FLMKP	RED	45A
	8794-FLMKP	BLACK	65A
	8796-FLMKP	GREY	75A



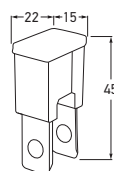
Mini Fusible Link with Lock Tab - Female

Mini female plug-in fuse link with lock.



Part Number	8790-FLMNP	BROWN	25A
	8791-FLMNP	GREEN	30A

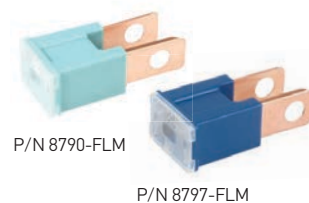




Fusible Link - Male

Male bolt-in fuse link.

Part Number	8790-FLM	LIGHT BLUE	20A
	8791-FLM	PINK	30A
	8792-FLM	GREEN	40A
	8793-FLM	RED	50A
	8794-FLM	YELLOW	60A
	8795-FLM	BROWN	70A
	8796-FLM	BLACK	80A
	8797-FLM	BLUE	100A
	8798-FLM	WHITE	120A

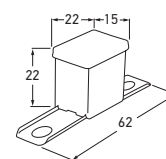
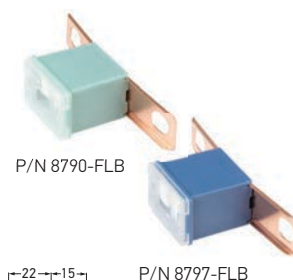


P/N 8791-FLM P/N 8792-FLM P/N 8793-FLM P/N 8794-FLM P/N 8795-FLM P/N 8796-FLM P/N 8798-FLM

Part Number	8790-FLB	LIGHT BLUE	20A
	8791-FLB	PINK	30A
	8792-FLB	GREEN	40A
	8793-FLB	RED	50A
	8794-FLB	YELLOW	60A
	8795-FLB	BROWN	70A
	8796-FLB	BLACK	80A
	8797-FLB	BLUE	100A
	8798-FLB	WHITE	120A

Fusible Link, Male - L-Type Long

Male L-type fuse link with long leg.

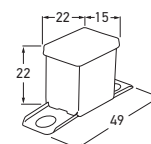
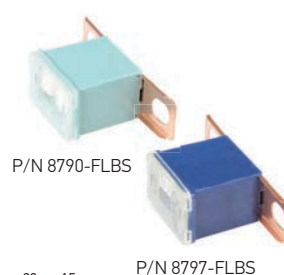


P/N 8791-FLB P/N 8792-FLB P/N 8793-FLB P/N 8794-FLB P/N 8795-FLB P/N 8796-FLB P/N 8798-FLB

Part Number	8790-FLBS	LIGHT BLUE	20A
	8791-FLBS	PINK	30A
	8792-FLBS	GREEN	40A
	8793-FLBS	RED	50A
	8794-FLBS	YELLOW	60A
	8795-FLBS	BROWN	70A
	8796-FLBS	BLACK	80A
	8797-FLBS	BLUE	100A
	8798-FLBS	WHITE	120A

Fusible Link, Male - L-Type Short

Male L-type fuse link with short leg.



P/N 8791-FLBS P/N 8792-FLBS P/N 8793-FLBS P/N 8794-FLBS P/N 8795-FLBS P/N 8796-FLBS P/N 8798-FLBS