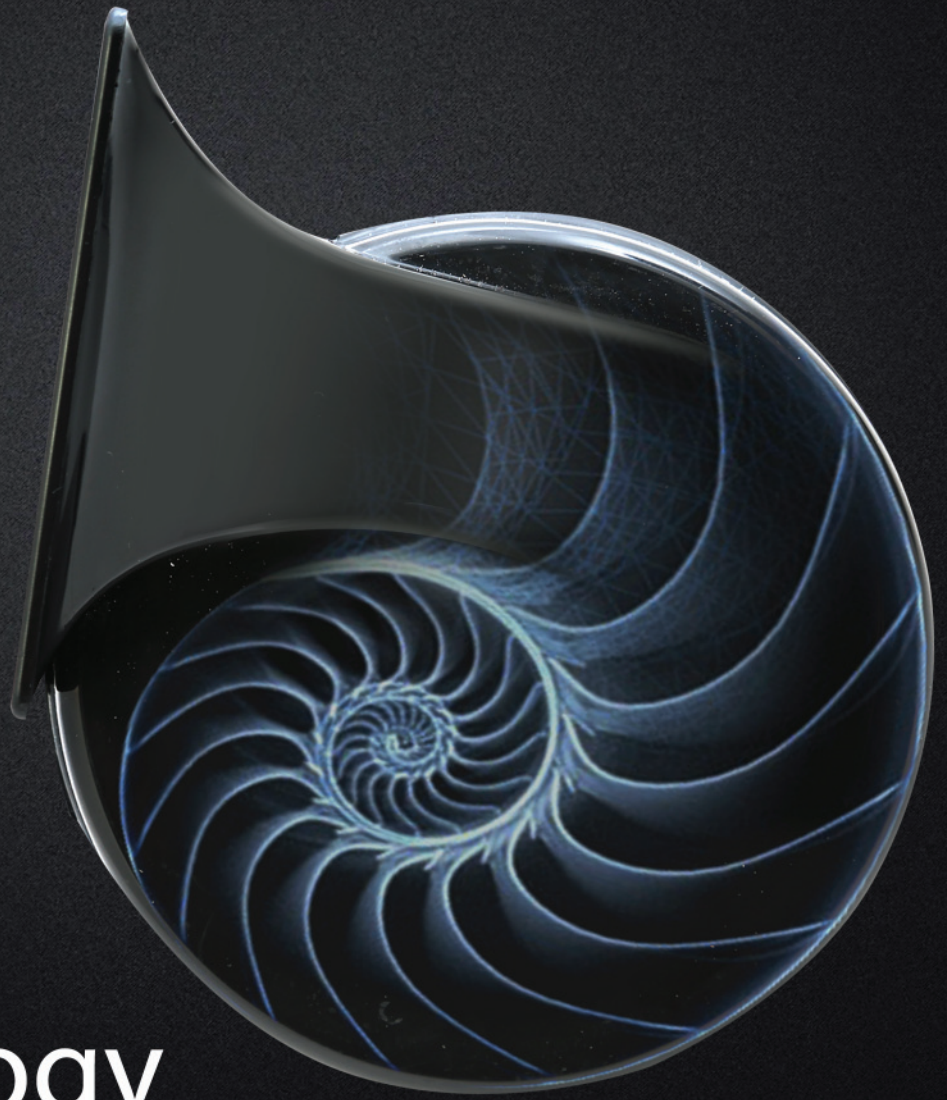




empar®



art
nature
technology



www.empar.com.tr

EMPAR olarak 1995 yılından beri otomotiv yedek parça sektöründe elektrik, elektronik, aydınlatma, aksesuar gibi ürün gruplarında tasarım, üretim, ihracat faaliyetinde bulunmaktadır.

Geçen süre içerisinde çağın tüm gereksinimlerini karşılamış hatta üst seviyelere taşımıştır. İstanbul da yerleşik 3000 m² kapalı 5000 m² açık alandaki üretim tesisimizde yüksek kaliteli ürünler ile OEM,OES ve aftermarket müşterilerimizin memnuniyeti için gereken tüm faaliyetler bünyemizde gerçekleştirilmektedir.

45 ülkeyi kapsayan %70'lere dayanan ihracat seviyemizi daha da yükseklere çıkarmak için mücadelemiz devam etmektedir

Since 1995, EMPAR has been involved in the design, production and export of automotive spare parts, electrical, electronics, lighting and accessories.

Over the years, it has met all the requirements of the era and even carried it to higher levels. In our production facility located in Istanbul, 3000 m² closed and 5000 m² open area, all the activities required for the satisfaction of our OEM, OES and aftermarket customers are carried out within our structure.

We continue to struggle to increase our export level, which is based on 70%, covering 45 countries.

HORNS

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HORNS

75 MM DISC HORN

Approved disc horns, available in the 75 mm version, ideal for applications on motorcycles and small cylinder vehicles,

FEATURES

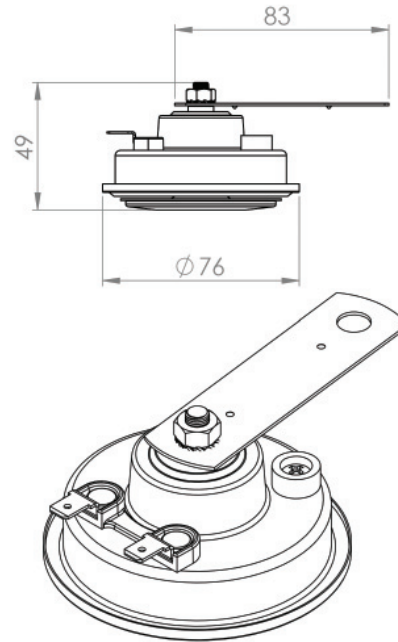
- Penetrating harsh sound for long distances
- Unobstructed forward propagation of sound
- Resistance to rust and stone impacts
- Reduced weight and size

TERMINAL OPTIONS

- One pin
- Two pin
- Special

Certificate

E9-e9



Specifications

Part no	Tones	Working Frequency	Audibility at 2m	Voltage	Amp. Draw	Master carton
EKi751202L	LOW	335 Hz	> 107 dB (A)	12 V dc	4	60 pcs
EKi751202H	HIGH	435 Hz	> 107 dB (A)	12 V dc	4	60 pcs
EKKi751202H&L	LOW&HIGH	335Hz&435 Hz	> 107 dB (A)	12 V dc	8	50 pcs
EKK752402L	LOW	335 Hz	> 107 dB (A)	24 V dc	4	60 pcs
EKi752402H	HIGH	435 Hz	> 107 dB (A)	24 V dc	4	60 pcs
EKKi752402H&L	LOW&HIGH	335Hz&435 Hz	> 107 dB (A)	24 V dc	8	50 pcs

Operating Temp: -40 +80

Construction : STEEL

Net Weight : 175 gr

Master Carton : 40*34*37 - 12 ,5kg

Terminal codes : THE LAST TWO DIGIT IN THE PRODUCT CODES SHOW THE TERMINAL STRUCTURE-PLEASE CHEK LAST PAGE

HORNS

90 MM DISC HORN

The 90mm disc horn emits a focused and far-reaching sound for a safer driving experience.,

FEATURES

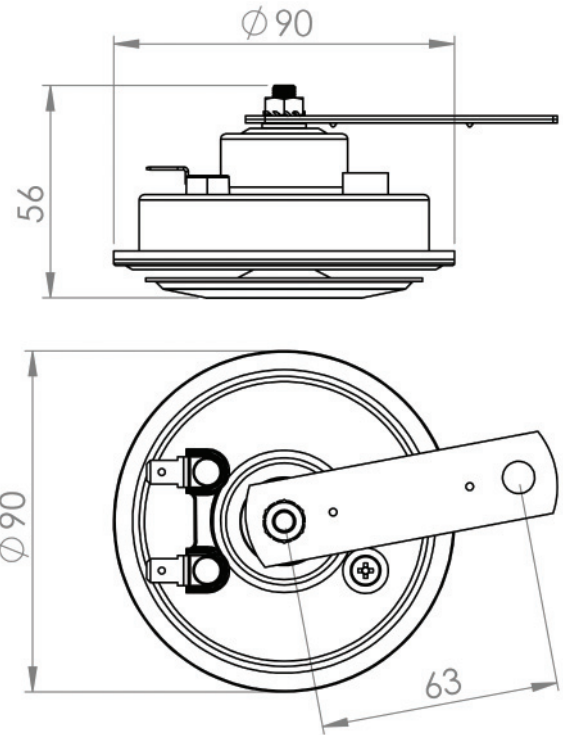
- Full-form oscillator design for optimal sound projection
- Enhanced durability
- Matt black finish
- Corrosion and water-spray resistant
- Low power consumption

TERMINAL OPTIONS

- One pin
- Two pin
- Special

Certificate

E9-e9



Specifications

Part no	Tones	Working Frequency	Audibility at 2m	Voltage	Amp. Draw	Master carton
EKİ901202L	LOW	335 Hz	> 110 dB (A)	12 V dc	4	60 pcs
EKİ901202H	HIGH	435 Hz	> 110 dB (A)	12 V dc	4	60 pcs
EKKİ901202H&L	LOW&HIGH	335Hz&435 Hz	> 110 dB (A)	12 V dc	8	50 pcs
EKK902402L	LOW	335 Hz	> 110 dB (A)	24 V dc	4	60 pcs
EKİ902402H	HIGH	435 Hz	> 110 dB (A)	24 V dc	4	60 pcs
EKKİ902402H&L	LOW&HIGH	335Hz&435 Hz	> 110 dB (A)	24 V dc	8	50 pcs

Operating Temp: -40 +80

Net Weight : 214 gr

Terminal codes : THE LAST TWO DIGIT IN THE PRODUCT CODES SHOW THE TERMINAL STRUCTURE-PLEASE CHECK THE LAST PAGE

Construction : STEEL

Master Carton : 40*34*37 - 15 ,5kg

HORNS

110 MM DISC HORN

The large diaphragm of 110 mm the Full Tone disc horn delivers a full quality tone and makes a great choice for the safety conscious.

FEATURES

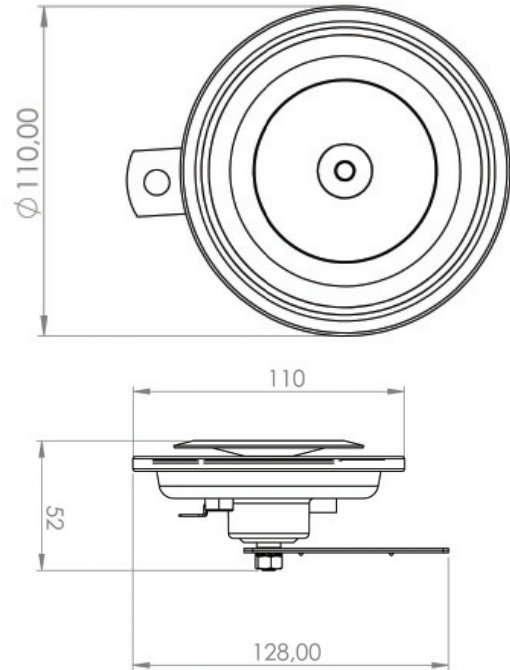
- Full luxurious tone
- Modern industrial design
- Corrosion and water-spray resistant

TERMINAL OPTIONS

- Two pin

Certificate

E9-e9



Specifications

Part no	Tones	Working Frequence	Audibility at 2m	Voltage	Amp. Drav	Master carton
EKİ1101202L	LOW	335 Hz	> 110 dB (A)	12 V dc	4	40 pcs
EKİ1101202H	HIGH	435 Hz	> 110 dB (A)	12 V dc	4	40 pcs
EKKİ1101202H&L	LOW&HIGH	335Hz&435 Hz	> 110 dB (A)	12 V dc	8	20 pcs
EKK1102402L	LOW	335 Hz	> 110 dB (A)	24 V dc	3	40 pcs
EKİ1102402H	HIGH	435 Hz	> 110 dB (A)	24 V dc	3	40 pcs
EKKİ1102402H&L	LOW&HIGH	335Hz&435 Hz	> 110 dB (A)	24 V dc	6	20 pcs

Operating Temp: -40 +80
Net Weight : 320 gr

Construction : STEEL
Master Carton : 53*32*27 - 15kg

HORNS

120 MM DISC HORN

The 120mm Super Tone disc horn has a focused and high-penetrating power tone for drivers who want to be heard.

FEATURES

- Full luxurious tone
- Suitable for off-road driving
- Black, Red or Chrome grill
- Durability and style

TERMINAL OPTIONS

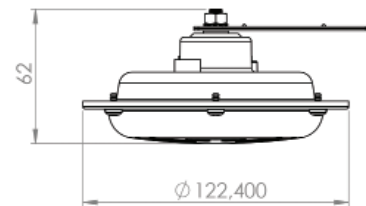
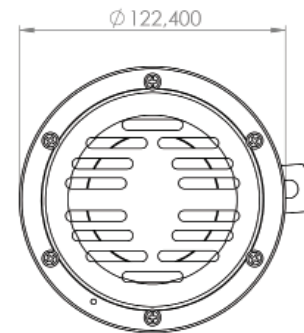
- Two pin

Certificate

E9-e9



SKYAH: 60
KROM:65



Specifications

Part no	Tones	Working Frequence	Audibility at 2m	Voltage	Amp. Drav	Master carton
EKİ1201202L	LOW	330 Hz	> 110 dB (A)	12 V dc	6	40 pcs
EKİ1201202H	HIGH	435 Hz	> 110 dB (A)	12 V dc	6	40 pcs
EKKİ1201202H&L	LOW&HIGH	330Hz&435 Hz	> 110 dB (A)	12 V dc	12	20 pcs
EKK1202402L	LOW	330 Hz	> 110 dB (A)	24 V dc	5	40 pcs
EKİ1202402H	HIGH	435 Hz	> 110 dB (A)	24 V dc	5	40 pcs
EKKİ1202402H&L	LOW&HIGH	330Hz&435 Hz	> 110 dB (A)	24 V dc	10	20 pcs

Operating Temp: -40 +80 Construction : STEEL Net Weight : 320 gr

Master Carton : 53*32*27 - 15kg

Terminal codes :THE LAST TWO DIGIT IN THE PRODUCT CODES SHOW THE TERMINAL STRUCTURE-PLEASE CHECK THE LAST PAGE
GRILL: Cromage-Black - Red

HORNS

120 MM DISC HORN

The 120mm Super Tone disc horn has a focused and high-penetrating power tone for drivers who want to be heard.

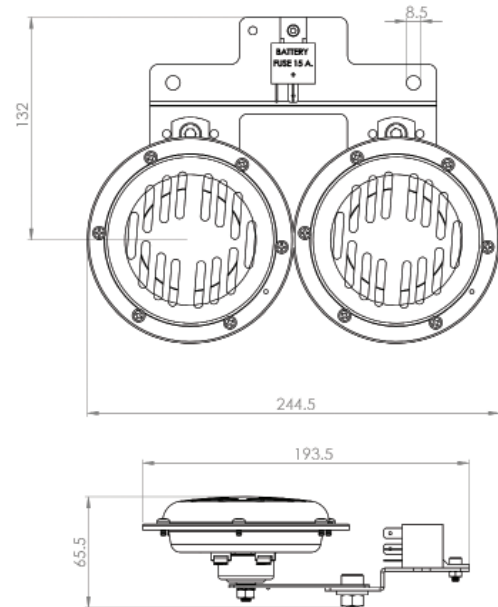
FEATURES

- Hard , piercing sound
- High Quality construction
- Impactful sound output
- Powder coated body
- Vibration resistant bracket
- With relay

TERMINAL OPTIONS

- Two pin

Certificate



Specifications

Part no	Tones	Working Frequency	Audibility at 2m	Voltage	Amp. Drav	Master carton
EK SET121ORT	LOW&HIGH	335Hz&435 Hz	> 113 dB (A)	12 V dc	12	10 set
EK SET241ORT	LOW&HIGH	335Hz&435 Hz	> 113 dB (A)	24 V dc	10	10 set

Operating Temp: -40 +80
Net Weight : 975 gr

Construction : STEEL
Master Carton : 52*35*21 - 12,5kg

HORNS

80 MM SNAIL HORN

Powerful sound and acoustic characteristics. Empar Fanfare signal devices provide increased safety on road. 80 mm Snail horns used in passenger cars and light duty commercial vehicles

FEATURES

- Full harmonious tone
- Compact design
- Corrosion resistant
- Registered Design

TERMINAL OPTIONS

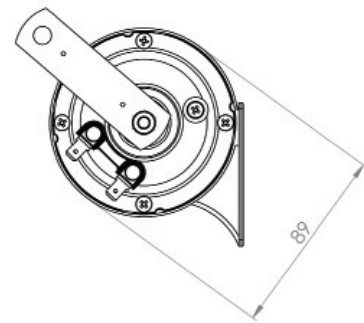
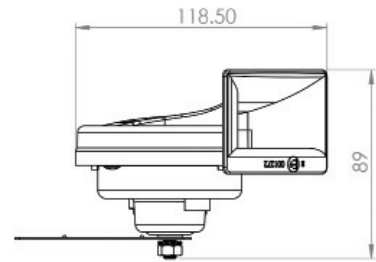
- One pin
- Two pin
- Special

Certificate
Design Registration Certificate

E9-e9



45



Specifications

Part no	Tones	Working Frequance	Audibility at 2m	Voltage	Amp. Drav	Master carton
EDK2TR12H&L	LOW&HIGH	410Hz&510 Hz	> 110 dB (A)	12 V dc	6+6	24 set
EDK2TR24H&L	LOW&HIGH	410Hz&510 Hz	> 110 dB (A)	24 V dc	5+5	24 set

Operating Temp: -40 +80

Construction : STEEL&ABS

Terminal codes : please check the last page

Weight : 215 gr

Master Carton : 40*34*37 -14.kg

Terminal codes :THE LAST TWO DIGIT IN THE PRODUCT CODES SHOW THE TERMINAL STRUCTURE-PLEASE CHECK THE LAST PAGE
EXTRA HORN RELAY ARE AVAILABLE.

HORNS

90 MM SNAIL HORN

Stylish and harmonious sound projection

FEATURES

- Full harmonious tone
- Water drainage for enhanced protection against water spray
- Compact design
- Corrosion resistant
- Registered Design

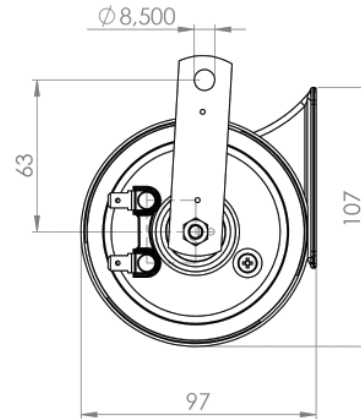
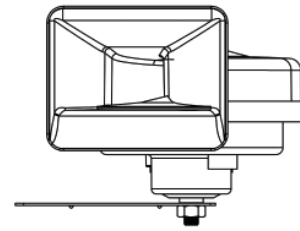
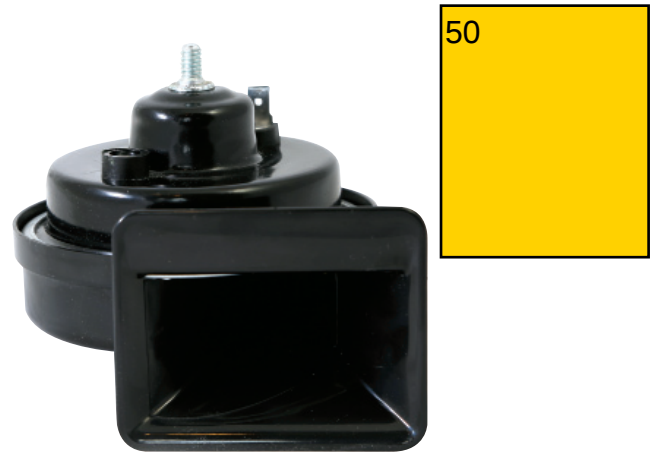
TERMINAL OPTIONS

- One pin
- Two pin
- Special

Certificate

Design Registration Certificate

E9-e9



Specifications

Part no	Tones	Working Frequency	Audibility at 2m	Voltage	Amp.Drav	Master carton
EDKH&L9012--	LOW&HIGH	410Hz&510 Hz	> 110 dB (A)	12 V dc	6+6	24 set
EDKH&9024--	LOW&HIGH	410Hz&510 Hz	> 110 dB (A)	24 V dc	5+5	24 set

Operating Temp: -40 +80
Weight : 265 gr

Constuction : STEEL&ABS
Master Carton : 40*34*37 -17 kg

Terminal codes : please check the last page

HORNS

AIR HORN

Pneumatic horns that operate with on-board air. Compact design and simple installation thanks to the integrated electrovalve.

FEATURES

- Suitable for 8 mm dia compressed air pipe
- housing made of ABS
- Black plastic trumpet
- 2 holes for M8 fixing screws
- With 6.3 mm blade terminal contacts

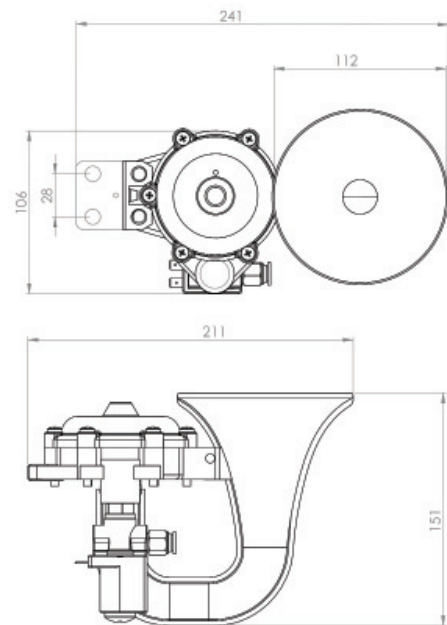
TERMINAL OPTIONS

- Two pin

Certificate



130



Specifications

Part no	Tones	Working Frequence	Audibility at 2m	Voltage	Amp. Drav	Master carton
EHK12	LOW	350 Hz	> 117 dB (A)	12 V dc	3	20 pcs
EHK24	LOW	350 Hz	> 117 dB (A)	24 V dc	2	20 pcs

Operating Temp: -40 +80
Master Carton : 52*35*37 - 14kg

Construction : STEEL&ABS

Net Weight : 600gr

HORNS

BACK HORN -BUZZER

Empar Warning Buzzer provide additional safety- for commercial vehicles,when maneuvering and revesing in situations with resticted visibility

FEATURES

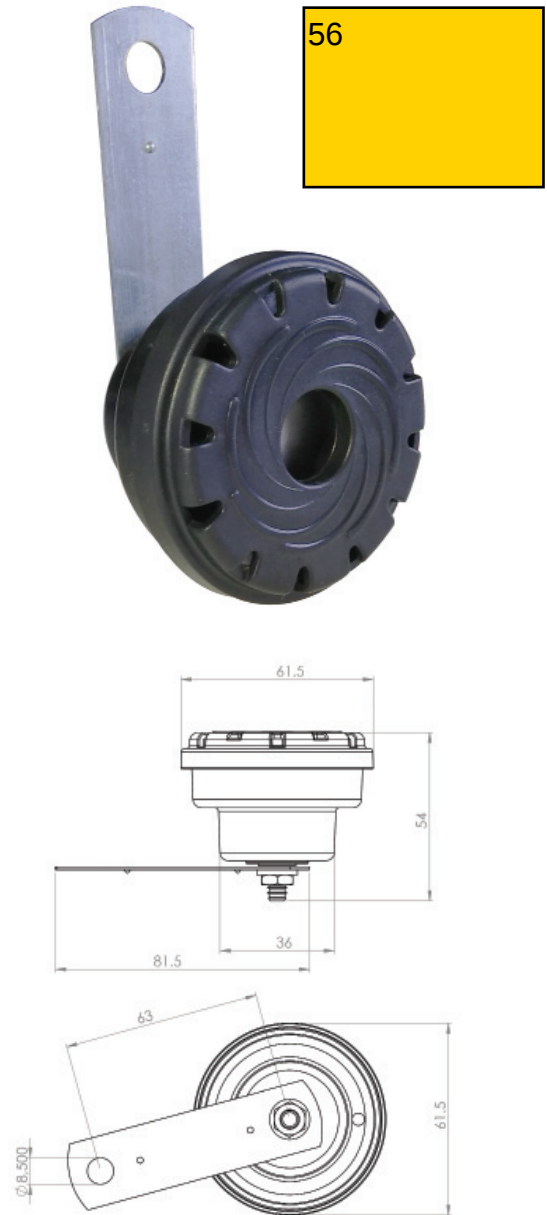
- Activated as soon as the reverse gear is engaged
- Comes with 1 warning device, 400 mm cable, 2 connectors, fastening elements and
- Housing made of ABS
- 1 holes for M8 fixing screws.

TERMINAL OPTIONS

- .400 mm cable,

Certificate

Design Registration Certificate



Specifications

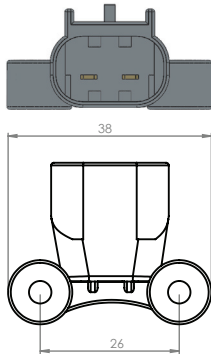
Part no	Tones	Working Frequence	Audibility at 2m	Voltage	Amp. Drav	Master carton
EGVK12-80	HIGH	3000Hz	> 117 dB (A)	12 -80 V dc	1	50 pcs

Operating Temp: -40 +80
Master Carton : 52*35*37 - 10kg

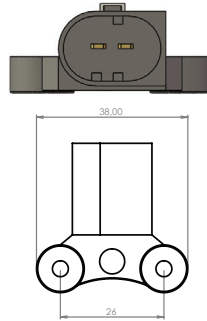
Construction : STEEL&ABS
Degree of protection IP 67

Net Weight : 160gr

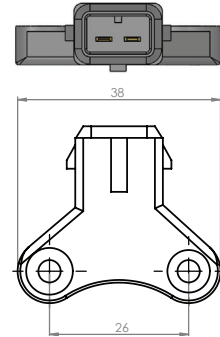
CONNECTORS



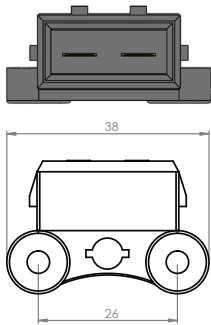
Universal Name: DELPHI 1530
Vehicle: OPEL, HYUNDAI, VOLVO, MERCEDES



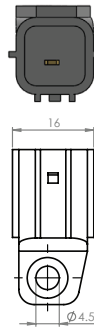
Universal Name: FCI-WDA
Vehicle: VW, AUDI, SKODA, MERCEDES, SEAT



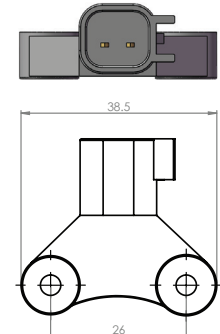
Universal Name: JPT
Vehicle: ALFAROME, DACIA, FORD, LAND ROVER, MASERATI, RENAULT, VOLVO



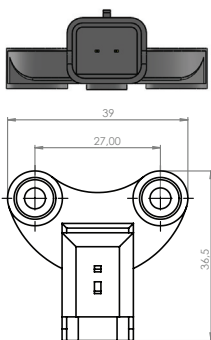
Universal Name: K2 JET 2X
Vehicle: VOLKS WAGEN, SEAT



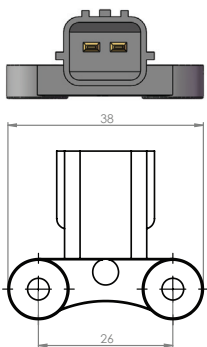
Universal Name: SUMITOMO
Vehicle: HONDA



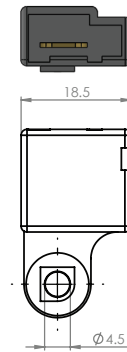
Universal Name: USCAR-DELPHI 1541
Vehicle: LANDROVER, LANCIA, OPEL, VAUXALL, VOLVO, ALFAROME, FERRARI, FIAT, FORD, HOLDEN, JAGUAR



Universal Name: SICMA II
Vehicle: CITROEN, PEUGEOT



Universal Name: MOLEX 68131
Vehicle: HYUNDAI, KIA



Universal Name: TOYOTA
Vehicle: TOYOTA

FUSE BOARD

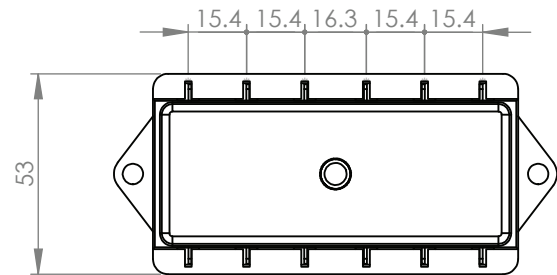
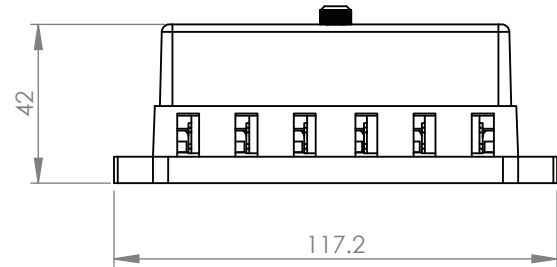
FUSE BOARD

From 6 to 12 way standart blade fuse box with 6,3 mm side entry blade terminals. Supplied with 2 x clear protective covers whic are secured using thumb screws. Fixing holes are located at the ends of the box for surface mounting.

Accept our range of standarts blades fuses (including LED glow versions). Use with 6,3mm non-insulated female blade terminal sor 6,3 mm insulated female blade terminals

FEATURES

No Fuse slots: 12 (2 banks of 6)
Body colour : Black
Cover Colour: Clear
Terminals: 6,3 mm male blade
Fixing hole dia: 4 mm
Fixing hole pitch:203mm



Specifications

Part no	Terminals	Maximum Amperage	Max Voltage	Mountuning	Master Carton
EST-00	4-6-8-10-12	250 A per box	32 v.	M4	100pcs

Operating Temp: -40 +80
Net Weight : 125 gr
IP Raiting: IP44 (DIN EN 60529)

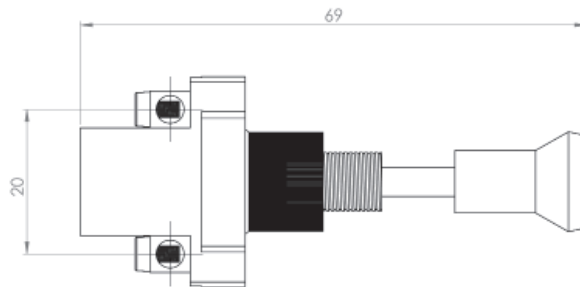
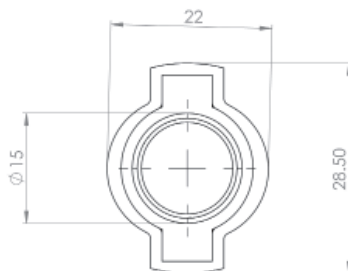
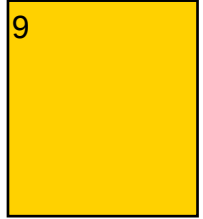
Construction : Pehonilic Fiber &ABS cover
Master Carton : 42*36*48 - 25kg
Compliance : Universal

PUSH-PULL SWITCHES

Empar Push-Pull switches are activated "Pushed" or "Pulled" and are available in either "Long" or "Short" style. Empar Push-Pull switches are commonly used in Automotive and Machinery applications for easy identification of "On and Off"

FEATURES

Simpel On/Off
Short & Long Style
16 Amps. At 12 volt
Screw type terminals



Specifications

Part no	Mounting Hole	Working Voltage	Amper	Total Length	Master Carton
ETCK	8mm	12-24 V dc	12 (A)	35 OHM	180pcs
ETCU	8mm	12-24 V dc	10 (A)	35 OHM	180pcs

Operating Temp: -40 +80

Net Weight : 125 gr

IP Rating: IP60 (DIN EN 60529)

Construction : Pehonilic Fiber & ABS cover

Master Carton : 42*36*48 - 25kg

Compliance : Universal

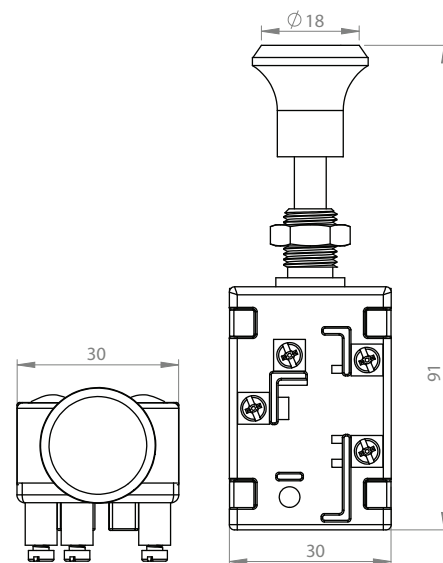
SWITCHES

TWO POSITION SWITCH

Two position switch , steel housing for headlamps and other switching taks.

FEATURES

- OFF/ON A/ON A+B SINGLE POLE SWITCH
- SIDE & HEADLIGHT PUSH PULL SWITCH
- SCREW TERMINALS
- FITS INTO 10mm PANEL HOLE
- 10 AMPS AT 12 VOLTS dc RATING



Specifications

Part no	Terminals	Working Voltage	Amper	Screws	Master Carton
ETWS	4	12-24 V dc	20 (A)	M4	180pcs

Operating Temp: -40 +80
Net Weight : 125 gr
IP Raiting: IP44 (DIN EN 60529)

Construction : Iron &N6 GFR 30
Master Carton : 42*36*48 - 25kg
Compliance : Universal

SWITCHES

TOGGLE SWITCH

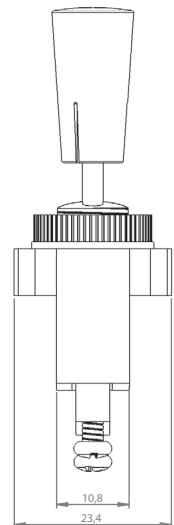
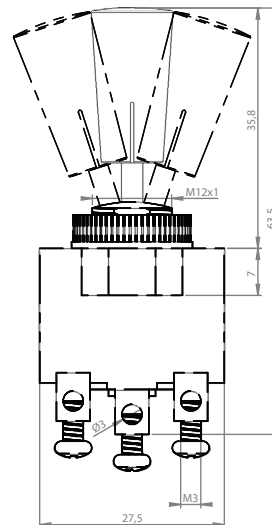
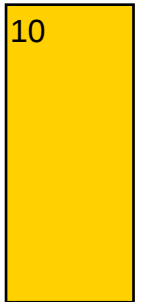
**Lever Switch Change-over switch
(two way contact wih neuatral
position)**

FEATURES

M12x1 Fastening

Dia 11,5 mm Wall thicknes up to 3mm

Connection screw terminals



Specifications

Part no	Terminals	Working Voltage	Amper	Coil Resistance	Master Carton
ELRS	4	12 V dc	2X30 (A)	35 OHM	180pcs

Operating Temp: -40 +80

Net Weight : 125 gr

IP Raiting: IP44 (DIN EN 60529)

Construction : İron &N6 GFR 30

Master Carton : 42*36*48 - 25kg

Compliance : Universal

SWITCHES

PUSH BUTTON

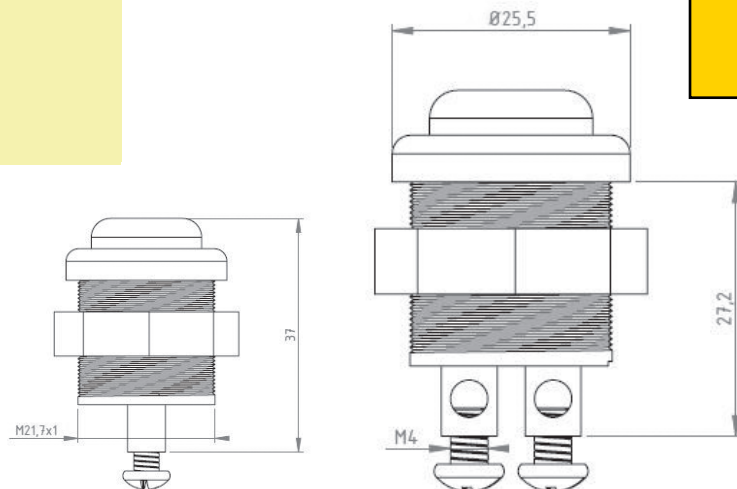
Round Push to make button. Panel mounting. Plastic housing with plastic button.

FEATURES

- 12 V. DC 5 A switching capability
- Connection screw terminals
- AgNi10 Contact



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Specifications

Part no	Terminals	Working Voltage	Fixing Hole	Fonction	Master Carton
EPBSP	4	12 V dc	24mm	OFF/ON	180pcs

Operating Temp: -40 +80
Net Weight : 125 gr
IP Rating: IP44 (DIN EN 60529)

Construction : Iron & N6 GFR 30
Master Carton : 60*45*31 - 25kg
Compliance : Universal

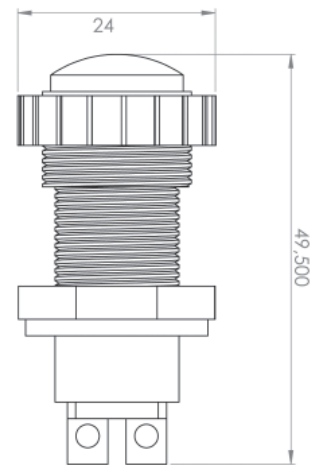
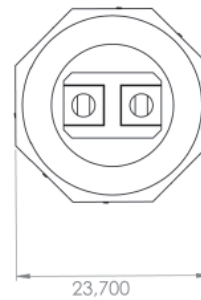
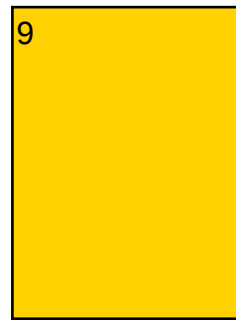
SWITCHES

PANEL DASHBOARD LIGHT

At each chekpoint to be noted our lamp are in front of your eyes with their stylish design and colour options

FEATURES

- with lamp or without Colur
- Red,Yellow,Blue,Green
- 2 poles
- Long or short



Specifications

Part no	Terminals	Working Voltage	Lamp	Fitted Diameter	To Wall thickness	Master carton
EGLU	2	12 V dc	1-2w	17.5 mm	4 mm	180pcs
EGLK	2	24 V dc	1-2w	17.5 mm	4 mm	180pcs

IP Raiting: IP60 (DIN EN 60529 Operating Temp: -40 +80
Weight :

Construction : Pehonilic Fiber &ABS cover
Compliance : Universal

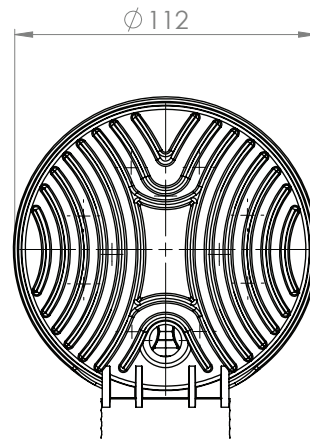
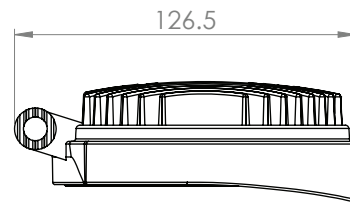
WORKING LAMP

Empar is a compact dept auiliary light designed for off road and on road applications. The full LED optitel unit offers unmatched resistance to vibration and ensures added sfety throught outstanding performance

FEATURES

- Easy installlation
- SMD teqnology .Uneffected by environmental conditions and vibration
- 1700 Lumens
- 9 High Performance LED's
- Stainles steel bracket
- 12-24 VDC .3x9= 27 Watt
- Polaritiy reversal protection
- Over-heating protecion

Dimensions:DiA 110mm



60

Specifications

Part no	Lens	Working Voltage	Bulb	Master Carton
EWYL	HARD COATED PC LENS	12-24 V dc	9 LED WHITE	40 pcs
EWYS	HARD COATED PC LENS	12-24 V dc	9 LED-YELLOW	40 pcs
EWYCR	HARD COATED PC LENS	12-24 V dc	9 LED -WHITE AND RED	40 pcs

Operating Temp: -40 +60
Net Weight : 580 gr
IP Raiting: IP68 (DIN EN 60529)

Construction : Aluminum
Master Carton : 53*32*30 - 27 kg
Compliance : Universal

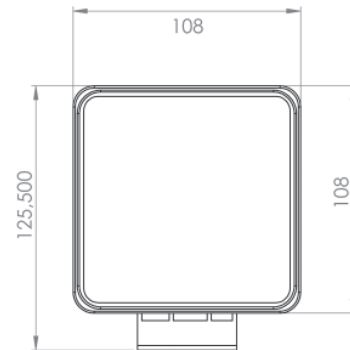
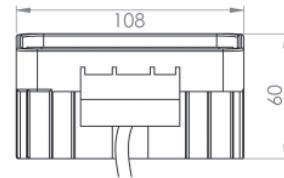
WORKING LAMP

Empar is a compact dept auiliary light designed for off road and on road applications. The full LED optical unit offers unmatched resistance to vibration and ensures added sfety throught outsanding performance

FEATURES

- Easy installlation
- SMD teqnology
- Uneffected by environmental conditions and vibration
- 1700 Lumens
- 9 High Perfomance LED's
- Stainles steel bracket
- 12-24 VDC
- 3x9= 27 Watt
- 16x3=48 watt
- Polaritiy reversal protection
- Over-heating protecion

Dimensions:110-110-65



60

Specifications

Part no	Lens	Working Voltage	Bulb	Master Carton
EWL 09	HARD COATED PC LENS	12-24 V dc	9 LED WHITE	40 pcs
EWS 09	HARD COATED PC LENS	12-24 V dc	9 LED-YELLOW	40 pcs
EWCR 09	HARD COATED PC LENS	12-24 V dc	9 LED -WHITE AND RED	40 pcs
EWL 16	HARD COATED PC LENS	12-24 V dc	16 LED WHITE	40 pcs
EWS 16	HARD COATED PC LENS	12-24 V dc	16 LED-YELLOW	40 pcs
EWCR 16	HARD COATED PC LENS	12-24 V dc	9 LED -WHITE AND RED	40 pcs

Operating Temp: -40 +60

Net Weight : 580 gr

IP Raiting: IP68 (DIN EN 60529)

Construction : Aluminum

Master Carton : 53*32*30 - 27kg

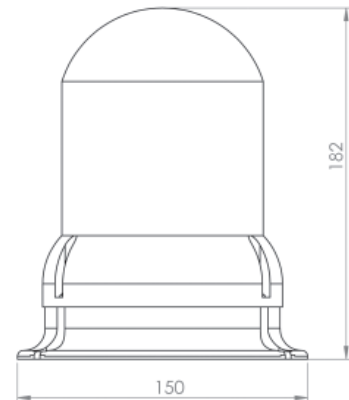
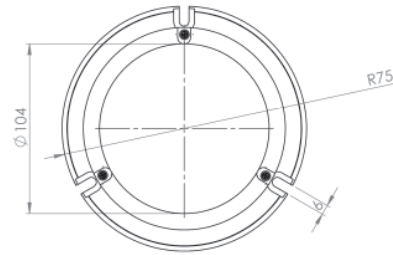
Compliance : Universal

ROTARY LAMP

The Compact rotating beacon from EMPAR is impact-resistant, featuring state of the art technology , long life and good light values. The elastic base in this version absorbs impact and work as a vibration dampers

FEATURES

- Excellent warning action
- Easy to use and installation
- Worm Gear Reducer
- Unaffected by environmental conditions and vibration
- Blue, Red, Yellow, Green colour



Specifications

Part no	Rotation	Working Voltage	Bulb	Master Carton
EDLM12	145t/min	12 V dc	H1	20 pcs
EDLM24	145t/min	24 V dc	H1	20 pcs

Operating Temp: -40 +60
 Net Weight : 420 gr
 IP Rating: IP68 (DIN EN 60529)

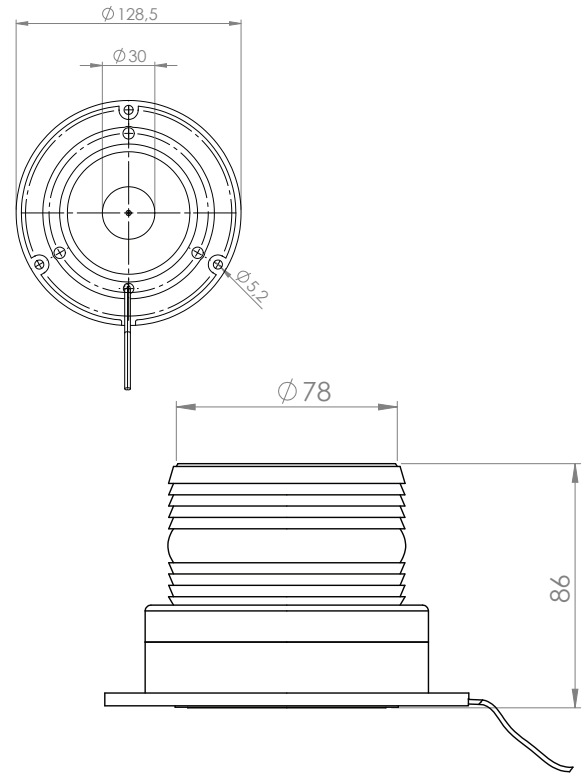
Construction : PC&N6GFR30
 Master Carton : 53*32*30 - 10 kg
 Compliance : Universal

BEACONS

Work in forestry and the agricultural industry frequently involves the use of heavy vehicles and machinery, such as during harvesting or logging operations

FEATURES

- Easy installation
- SMD technology
- 3 mode
- Unaffected by environmental conditions and vibration
- light color: Amber
- Multi voltage : 10-28 V
- Power consumption: 10 watts
- Mounting variants: Fixed, Magnetic



Specifications

Part no	Mode	Working Voltage	Selection	Master Carton
EDLE1224	3	10-28 V dc	With Button	20 pcs

Operating Temp: -40 +60

Net Weight : 480 gr

IP Rating: IP68 (DIN EN 60529) IP 59

Construction : PC&N6GFR30

Master Carton : 53*32*30 - 9 kg

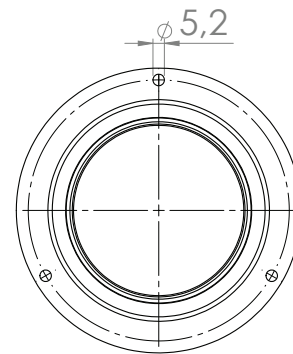
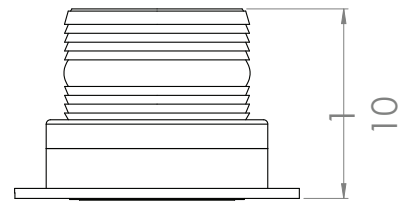
Compliance : Universal

BEACONS

Work in forestry and the agricultural industry frequently involves the use of heavy vehicles and machinery, such as during harvesting or logging operations

FEATURES

- Easy installation
- SMD technology
- 3 mode
- Unaffected by environmental conditions and vibration
- light color: Amber
- Multi voltage : 10-28 V
- Power consumption: 10 watts
- Mounting variants: Fixed, Magnetic



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EDLE1224L	3	10-28 V dc	With Button	20 pcs

Operating Temp: -40 +60

Net Weight : 480 gr

IP Rating: IP68 (DIN EN 60529) IP 59

Construction : PC&N6GFR30

Master Carton : 53*32*30 - 10 kg

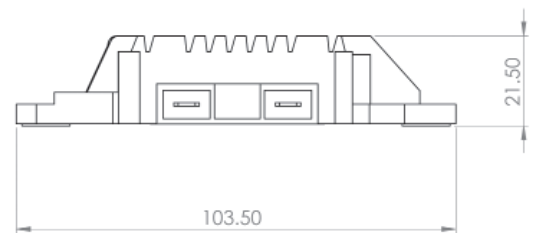
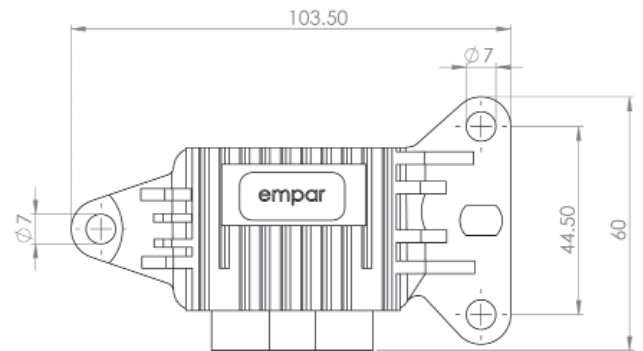
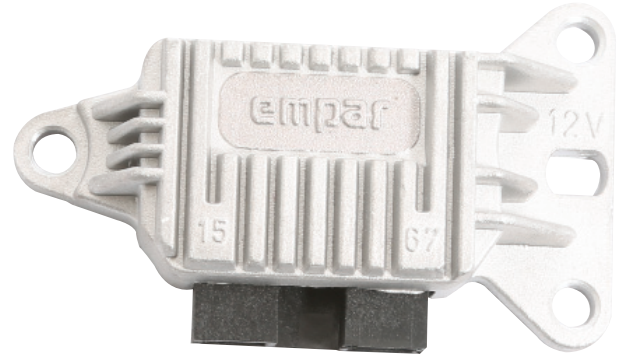
Compliance : Universal

ALTERNATOR REGULATOR

Universal Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration



30

Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
ESRG 12	3 (ONE OF BODY)	6-18 V dc	14,3	200 pcs
ESRG 24	3 (ONE OF BODY)	20-32 V dc	28,3	200 pcs

Operating Temp: -40 +80

Net Weight : 100 gr

IP Rating: IP67 (DIN EN 60529)

Construction : Aluminum

Master Carton : 44*31*25 - 23kg

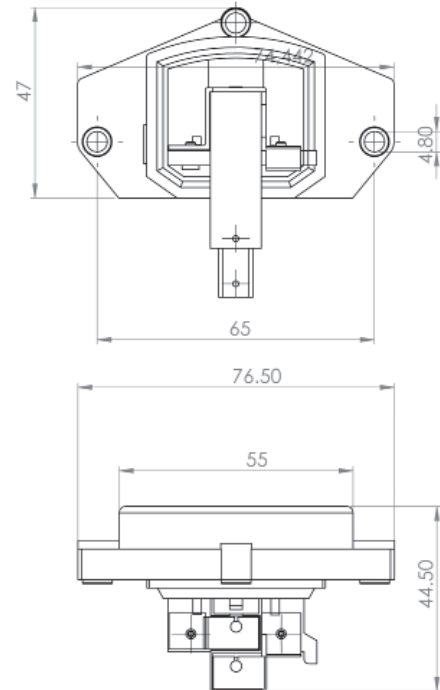
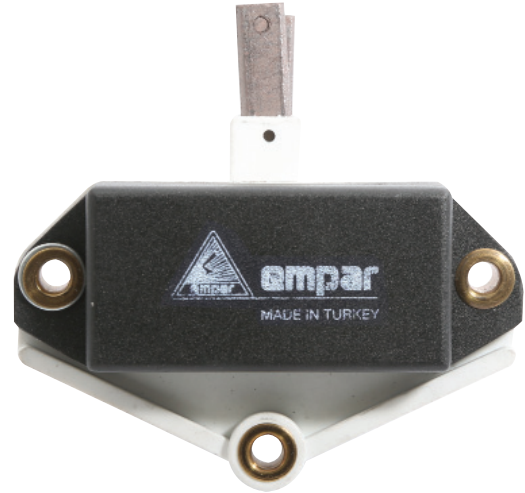
Compliance : Universal

BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration .OEM Quality



40

Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EBERG12	3	6-18 V dc	14	200 pcs
EBERG24	3	18-30 V dc	28,1	200 pcs

Operating Temp: -40 +80

Net Weight : 60 gr

IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30

Master Carton : 44*31*25 - 15kg

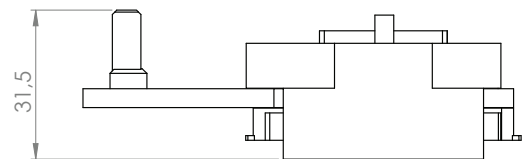
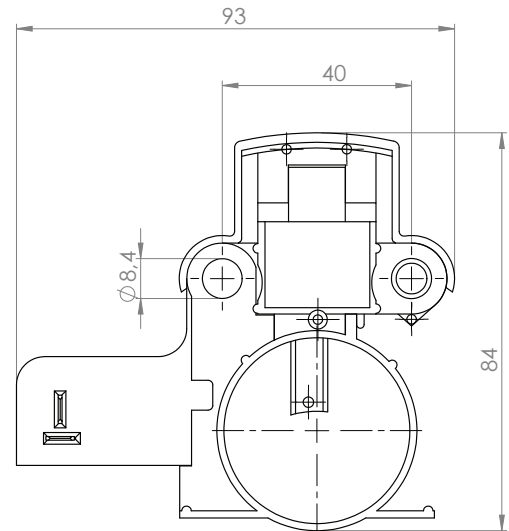
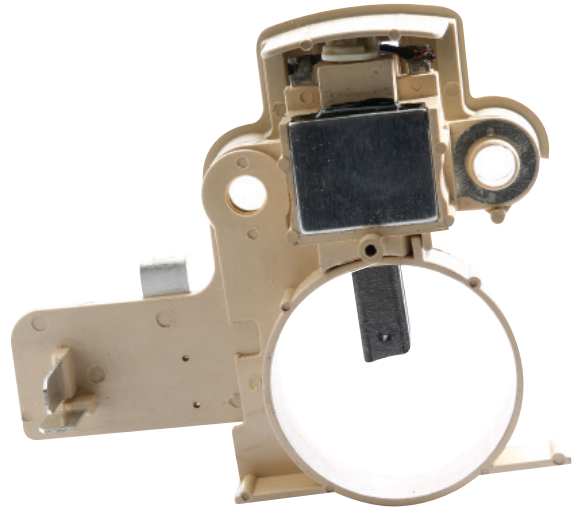
Compliance : DAF, DEUTZ-FAHR, FERRARI, FIAT, FORD, IVECO, KÄSSBOHRER, MAN, MERCEDES, NEOPLAN, RENAULT, SCANIA, VOLVO, VW

BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



40

Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EEKH100	3	10-18 V	14,2	200 pcs

Operating Temp: -40 +80

Net Weight : 40 gr

IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30

Master Carton : 44*31*25 - 13kg

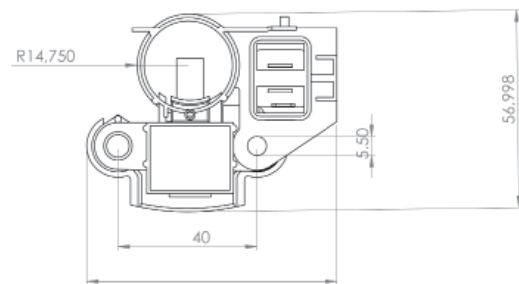
Compliance : HYUNDAI H100 2.5 D, GALLOPER

BRUSH ALTERNATOR REGULATOR

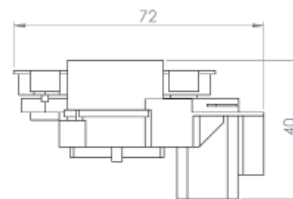
Every component either matches or improves on the OE design to ensure fast, easy installation, superior performance and reliability. Designed to meet or exceed OE specifications in form, fit and function Global coverage for import and/or domestic applications

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



40



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
NM12	3	10-18 V	14,5	200 pcs

Operating Temp: -40 +80
 Net Weight : 40 gr
 IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30
 Master Carton : 44*31*25 - 13kg
 Compliance : HYUNDAI ACCENT/EXCEL-MITSUBISHI GALANT-NISSAN-DODGE

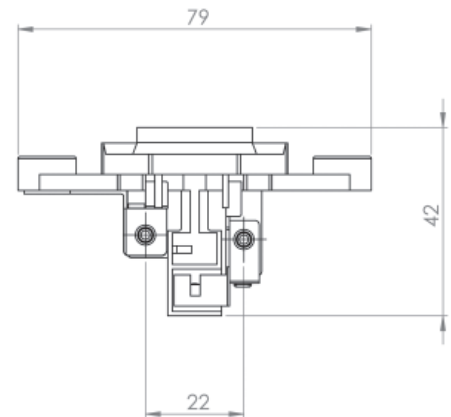
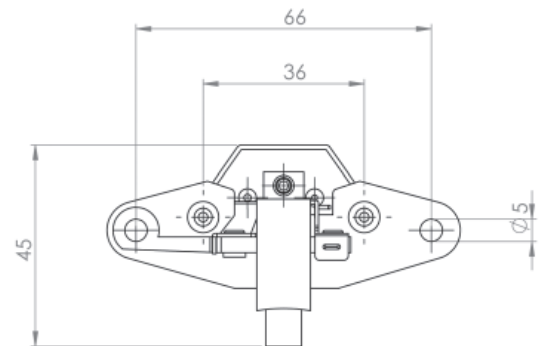
BRUSH ALTERNATOR REGULATOR

Every component either matches or improves on the OE design to ensure fast, easy installation, superior performance and reliability. Designed to meet or exceed OE specifications in form, fit and function Global coverage for import and/or domestic applications

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality

40



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
NGR12	3	6-18 V dc	14,1	200pcs

Operating Temp: -40 +80

Net Weight : 40 gr

IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30

Master Carton : 44*31*25 - 13kg

Compliance AUDI,BMW,EVOBUS,FERRARI,FIAT,FORD,IVECO,LANCIA,
MERCEDES,PERKINS,PORCHE,VOLVO,VW

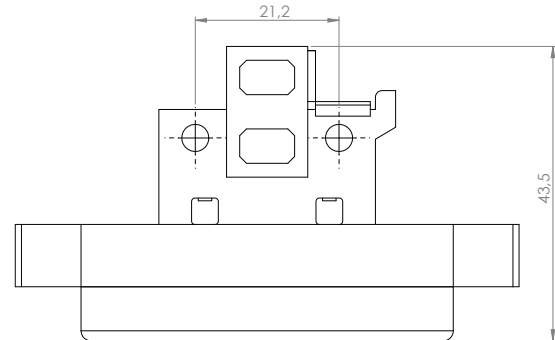
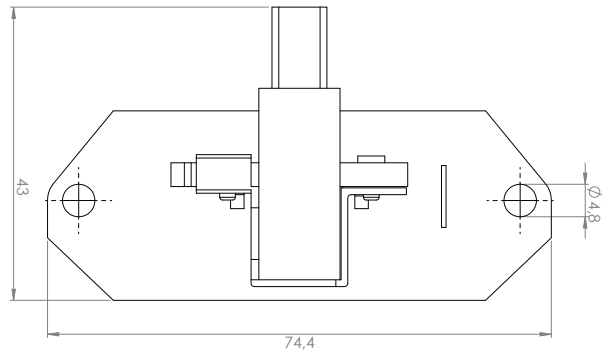
REGULATOR

BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



50

Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EKIT12	3	6-18 V dc	14,5	200pcs

Operating Temp: -40 +80

Net Weight : 60 gr

IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30 & Aluminum

Master Carton : 44*31*25 - 15kg

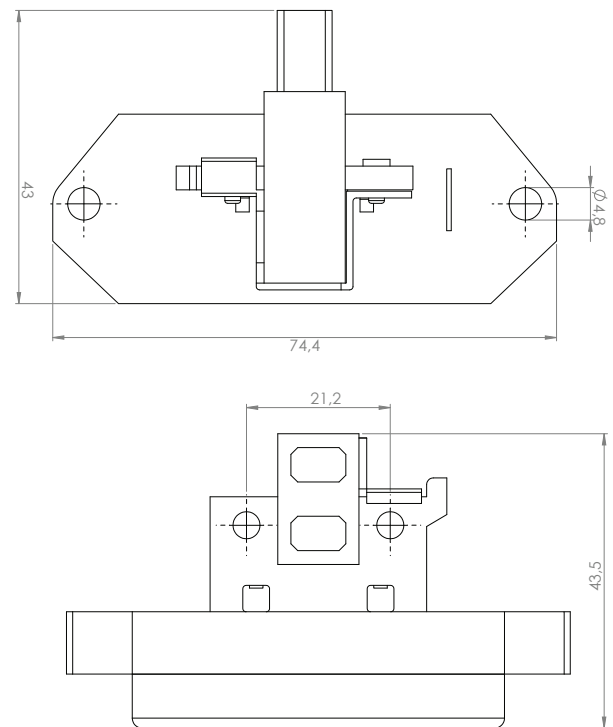
Compliance ISKRA-PAYKAN

BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



45

Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EBER12	3	6-18 V dc	14	200pcs
EBER24	3	20-32 V dc	27,5	200pcs

Operating Temp: -40 +80

Net Weight : 60 gr

IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30

Master Carton : 44*31*25 - 15kg

Compliance: DEUTZ-FAHR, FERRARI, FIAT, FORD, IVECO, KÄSSBOHRER, MAN, MERCEDES, NEOPLAN, RENAULT, SCANIA, VOLVO, VW

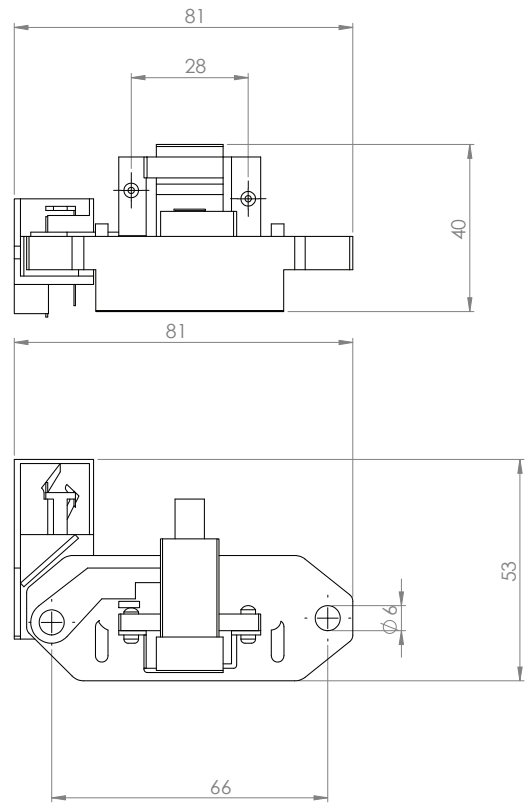
BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality

45



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
MGR12	3	6-18 V dc	14,4	200pcs

Operating Temp: -40 +80

Net Weight : 60 gr

IP Rating: IP67 (DIN EN 60529)

Construction : N6 GFR30 & Aluminum

Master Carton : 44*31*25 - 15kg

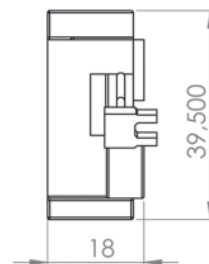
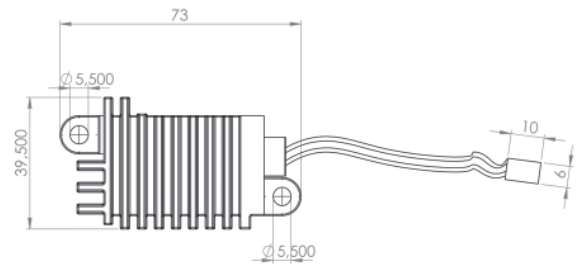
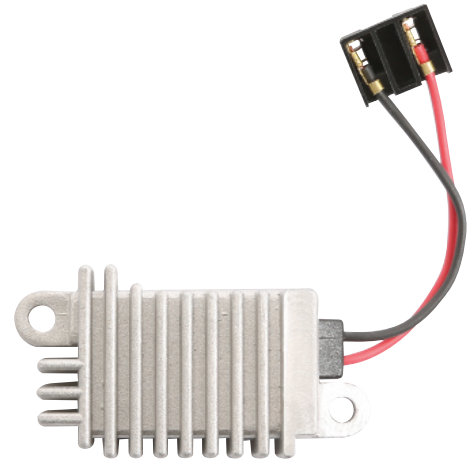
Compliance: MAGNETTI MARELLI ALTERNATOR- ALFAROMEIO, FIAT, FERRARI, IVECO, LANCIA

CABLES ALTERNATOR REGULATOR

Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
RGC12	3	6-18 V dc	14,3	200pcs

Operating Temp: -40 +80

Net Weight : 40 gr

IP Rating: IP67 (DIN EN 60529)

Construction : Aluminum

Master Carton : 44*31*25 - 13kg

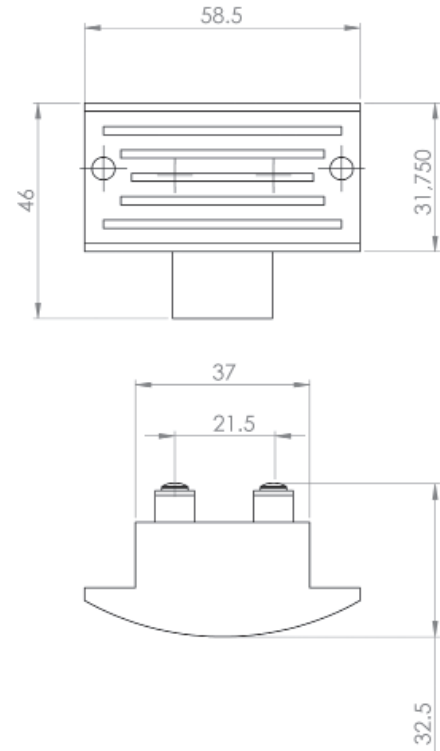
Compliance: Fiat 126 P - Fiat 124 Spider 2000

KIA ALTERNATOR REGULATOR

Universal Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality
- First Domestic Production



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EKK12	4	6-18 V dc	14,3	200pcs
EKD24	5	20-32 V dc	28,3	200pcs

Operating Temp: -40 +80

Net Weight : 60 gr

IP Rating: IP67 (DIN EN 60529)

Construction : Aluminum

Master Carton : 44*31*25 - 15kg

Compliance: KIA BESTA, WIDE BONGO, RETONA, PRIDE

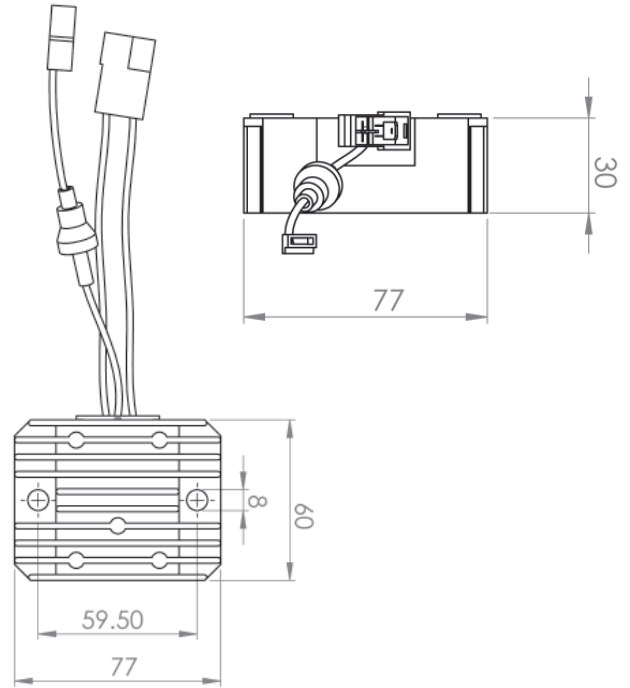
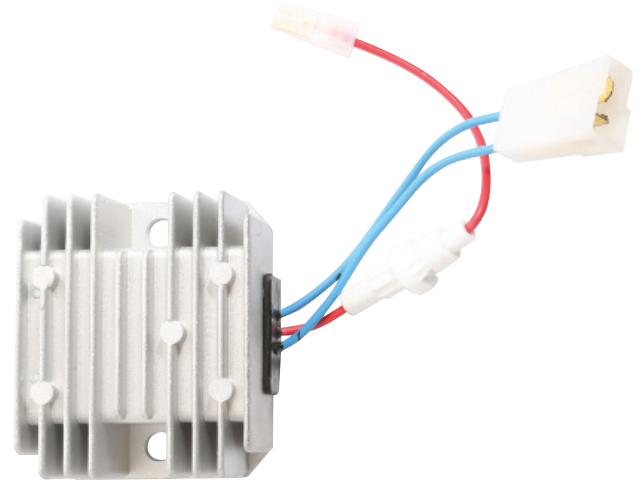
REGULATOR

AC-DC ALTERNATOR REGULATOR

Specially designed for anchor machines. Resistance to high vibration level. AC input designed as DC output

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- With fuse



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EKD12	4	80V ac MAX	14,3	200pcs

Operating Temp: -40 +80

Net Weight : 120 gr

IP Rating: IP67 (DIN EN 60529)

Construction : Aluminum

Master Carton : 44*31*25 - 22kg

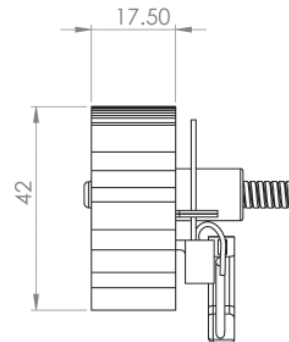
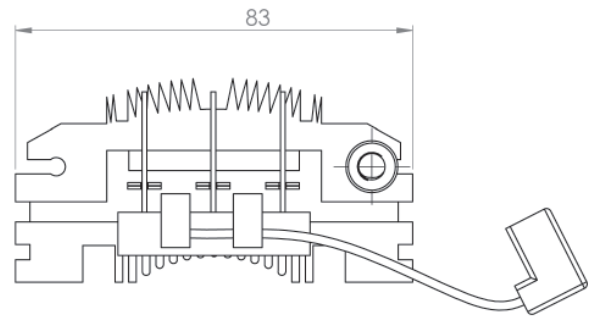
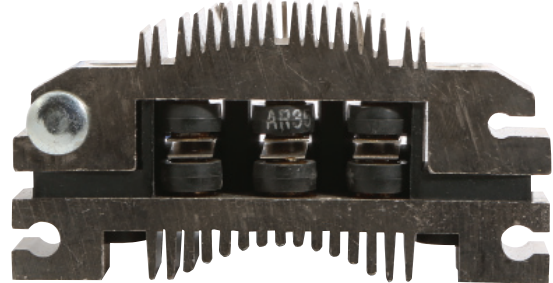
Compliance: KUBATO

DIODE PACK

Modern Design and Technology to provide the latest in reliability and endurance under increased current demand and high heat conditions.

FEATURES

- 8 x 50 amp diodes press fit into a heavy duty aluminum multi-finned heatsink, 33 heat sink fins, more surface area
- Easy installation
- Unaffected by environmental conditions and vibration



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EKD12	3	6-18 V dc	14,3	200pcs

IP Rating: IP67 (DIN EN 60529)
Weight : 100 gr

Operating Temp: -40 +80
Compliance : MAGNETTI MARELLI Alternator

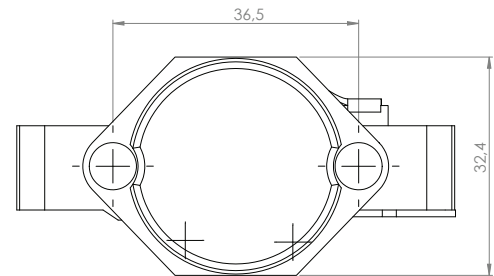
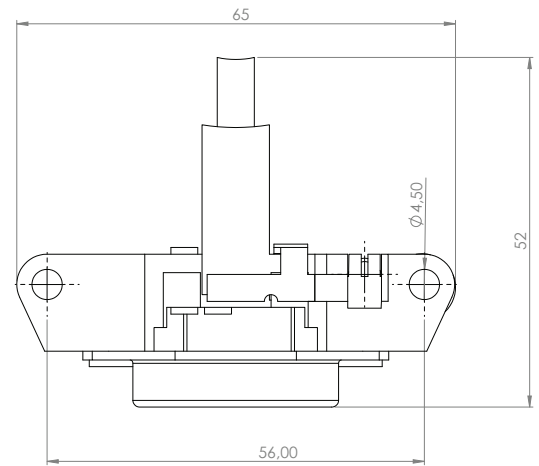
Construction : Aluminum

BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EKD12	3	6-18 V dc	14,3	200pcs

IP Rating: IP67 (DIN EN 60529)
Weight : 100 gr

Operating Temp: -40 +80
Compliance : AUDI, CITROEN, DAF, FIAT, MERCEDES, PEUGEOT, SCANIA,
VOLVO, VW

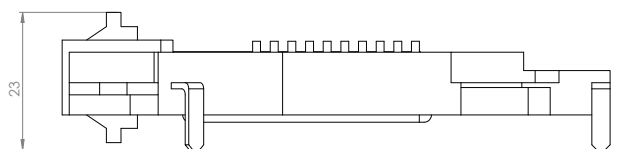
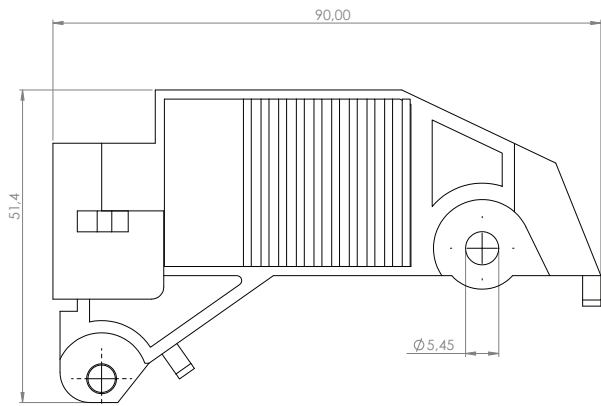
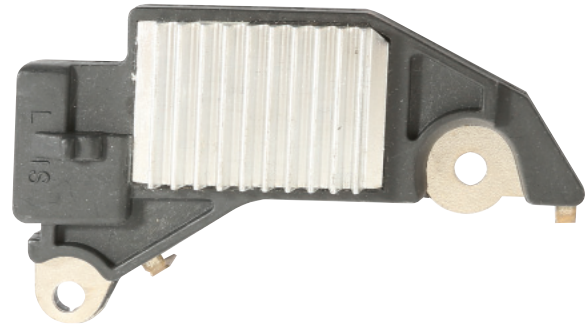
Construction : Aluminum

ALTERNATOR REGULATOR

Universal Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
EKD12	3	6-18 V dc	14,3	200pcs

IP Rating: IP67 (DIN EN 60529)
Weight : 100 gr

Operating Temp: -40 +80
Compliance : Universal

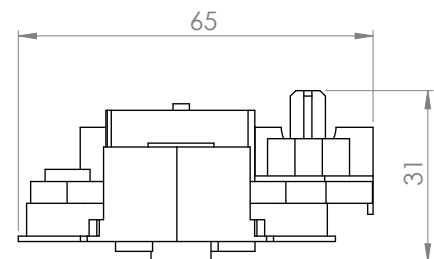
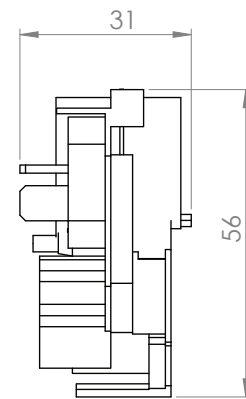
Construction : Aluminum

BRUSH ALTERNATOR REGULATOR

Brush Regulator has been developed with years of know-how and latest technology machine and system

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
HS12	4	10-18 V dc	14,5	200pcs

IP Rating: IP67 (DIN EN 60529)
Weight : 40 gr

Operating Temp: -40 +80
Compliance : KIA CERATO Saloon (LD), KIA RIO II Saloon (JB),
HYUNDAI ACCENT (X-3), HYUNDAI LANTRA II Wagon (J-2),
HYUNDAI COUPE (RD), HYUNDAI GETZ (TB)

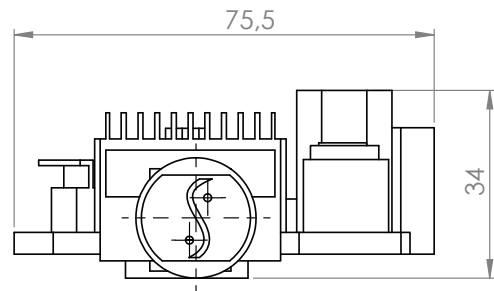
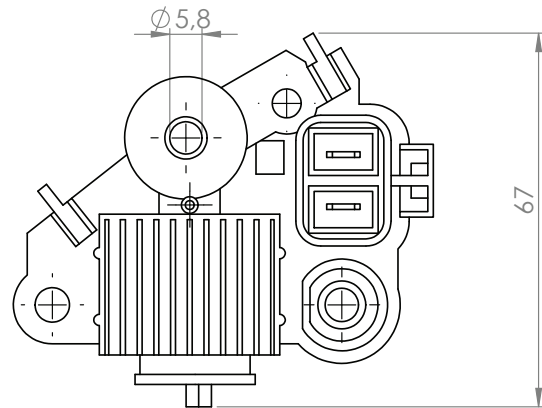
Construction : N6 GFR30

ALTERNATOR REGULATOR

Every component either matches or improves on the OE design to ensure fast, easy installation, superior performance and reliability. Designed to meet or exceed OE specifications in form, fit and function Global coverage for import and/or domestic applications

FEATURES

- Easy installation
- SMD technology
- Unaffected by environmental conditions and vibration
- OEM Quality



Specifications

Part no	Terminals	Working Voltage	Charging Voltage	Master Carton
RMT12	3	10-18 V dc	14,5	200pcs

IP Rating: IP67 (DIN EN 60529)
Weight : 40 gr

Operating Temp: -40 +80 Construction : N6 GFR30
Compliance : MANDO, MITSUBISHI ALTERNATORS USED ON 1984-1989
DODGE, FORD, HYUNDAI, MAZDA, MITSUBISHI, PLYMOUTH

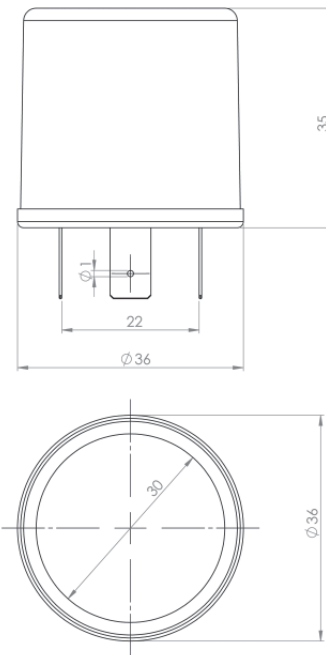
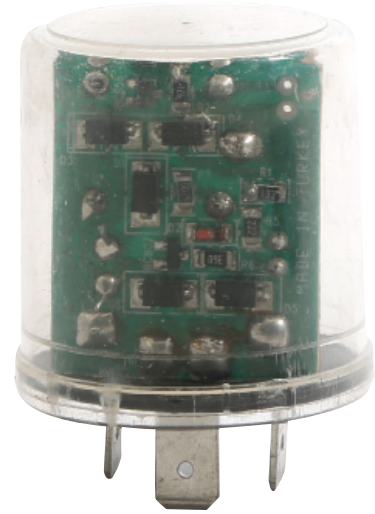
UNIVERSAL ELECTRONIC FLASHER

Electronic flashers offer coverage for more vehicles today than any other style. They incorporate Printed Circuit Board (PCB) technology and most feature LED compatibility for popular aftermarket upgrades.

FEATURES

- Universal
- Easy Montage
- SMD technology
- Resistant to enviromental conditions

20



Specifications

Part no	Terminals	Working Voltage	Power	Master Carton
EEF12	3	12 V dc	200 WATT	180pcs
EEF24	3	24 V dc	200 WATT	180pcs

Operating Temp: -40 +80

Net Weight : 30 gr

IP Raiting : IP65 (DIN EN 60529)

Construction : P6 GFR30 &ABS cover

Master Carton : 40*29*13 - 6 kg

Compliance : Universal

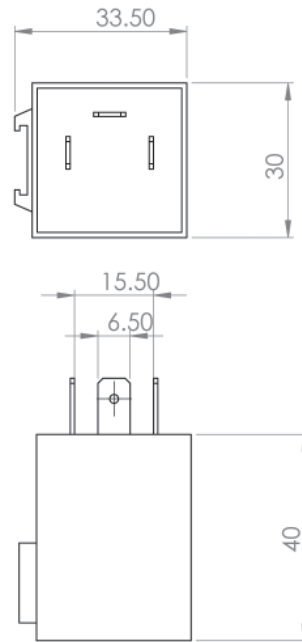
ELECTRONIC HAZARD FLASHER

Electronic flashers offer coverage for more vehicles today than any other style. They incorporate Printed Circuit Board (PCB) technology for popular aftermarket upgrades.

FEATURES

- 10 lamp switching capability
- 12-24 Volt applications
- 2- 3 pin
- With ticking sound
- High sensitive & stable electronic timing
- With ticking sound
- Resistance to environmental conditions
- AgNi10 Contact

35



Specifications

Part no	Terminals	Working Voltage	Power	Master Carton
EFR0312	3	12 V dc	200 WATT	180pcs
EFR0324	3	24 V dc	200 WATT	180pcs

Operating Temp: -40 +80
Net Weight : 30 gr
IP Rating : IP65 (DIN EN 60529)

Construction : P6 GFR30 &ABS cover
Master Carton : 40*29*13 - 6 kg
Compliance : AUDI-BMW-CHEVROLET-CITROEN-CLASSDAF- FIAT-FORD-GM-OPEL-VAUXHALL-LADA-MERCEDES-NISSAN-PORCHE-SUZKI-TOYOTA-VOLKSWAGEN-VOLVO

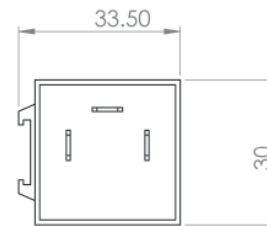
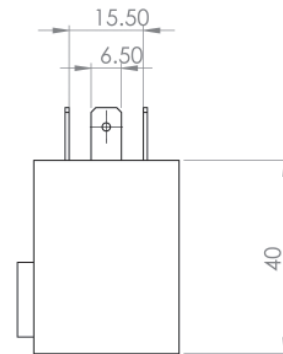
ELECTRONIC HAZARD FLASHER

Electronic flashers offer coverage for more vehicles today than any other style. They incorporate Printed Circuit Board (PCB) technology for popular aftermarket upgrades.

FEATURES

- 10 lamp switching capability
- 12-24 Volt applications
- 2- 3 pin -4 pin -cable
- With ticking sound
- High sensitive & stable electronic timing
- With ticking sound
- Resistance to environmental conditions
- AgNi10 Contact

35



Specifications

Part no	Terminals	Working Voltage	Power	Master Carton
EFR0412	4	12 V dc	200 WATT	180pcs
EFR0424	4	24 V dc	200 WATT	180pcs

Operating Temp: -40 +80
Net Weight : 30 gr
IP Rating : IP65 (DIN EN 60529)

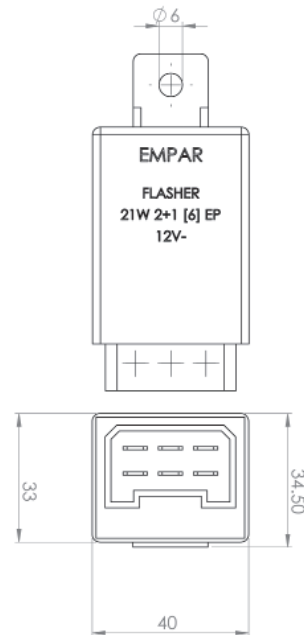
Construction : P6 GFR30 &ABS cover
Master Carton : 40*29*13 - 6 kg
Compliance : ALFA ROMEO-CITROEN-FIAT-LANCIAISSAN
PEUGEOT-RENAULT

TRACTOR FLASHER

Electronic flashers towing one or two trailers.
Negative earth only.

FEATURES

- OEM Quality
- 16 lamp switching capability
- 12 Volt 21 W
- 6 pin
- With ticking sound
- High sensitive & stable electronic timing
- With ticking sound
- Resistance to environmental conditions
- Sealling



Specifications

Part no	Terminals	Working Voltage	Power	Master Carton
ETFR12	6	12 V dc	250 Watt	100pcs

Operating Temp: -40 +80

Net Weight : 70 gr

IP Rating : IP65 (DIN EN 60529)

Construction : P6 GFR30 &ABS cover

Master Carton : 40*29*13 - 8 kg

Compliance : CASE -FIAT-FORD-JOHN DEERE-LANDINI-MASSEY
FERGUSON-VALTRA-VALMET

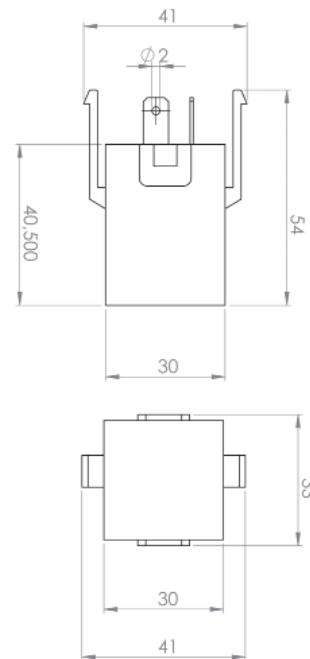
FLASHER

HYUNDAI FLASHER

Electronic flashers offer coverage for more vehicles today than any other style. They incorporate Printed Circuit Board (PCB) technology and OEM based custom production

FEATURES

- OEM Quality
- 6 lamp switching capability
- 12 Volt 21 W
- 3 pin
- With ticking sound
- High sensitive & stable electronic timing
- With ticking sound
- Resistance to environmental conditions



Specifications

Part no	Terminals	Working Voltage	Power	Master Carton
EJFR12	4	12 V dc	100 watt	180pcs

Operating Temp: -40 +80

Net Weight : 70 gr

IP Rating : IP65 (DIN EN 60529)

Construction : P6 GFR30 &ABS cover

Master Carton : 40*29*13 - 8 kg

Compliance : HYUNDAI Porter, Accent, Sonata5, SantaFE, i10/30, Elantra KIA Rio, Cerato

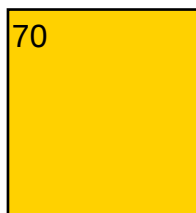
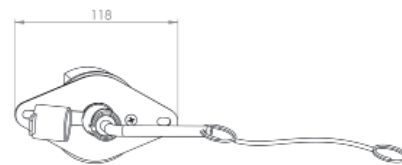
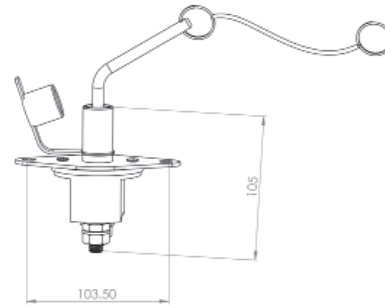
ISOLATION SWITCH

TIR HEAVY DUTY BATTERY ISOLATOR SWITCH

Its designed to work in harsh conditions for all kinds of switching needs. Suitable for high current

FEATURES

- Strong case
- 12v or 24v
- 250A continuous (2500A 5 sec)
- 2x screw terminals M10
- Supplied with waterproof cover and key with chain • 2 hole fixing 100 mm between centres Real Coper contact point Resistance to environmental conditions



Specifications

Part no	Screw	Working Voltage	Amper	Master Carton
ETDKM	M10	12 V dc	200 (A)	48pcs

Operating Temp: -40 +80

Net Weight : 400 gr

IP Raiting : IP65 (DIN EN 60529)

Construction : Bakalite& Iron

Master Carton : 40-34-37 22 kg

Compliance: ISUZU, BMC, SANKO, ASKAM, DAF, FIAT, MAN, MERCEDES, RENAULT, SCANIA, VOLVO, NEOPLAN, PUCH

ISOLATION SWITCH

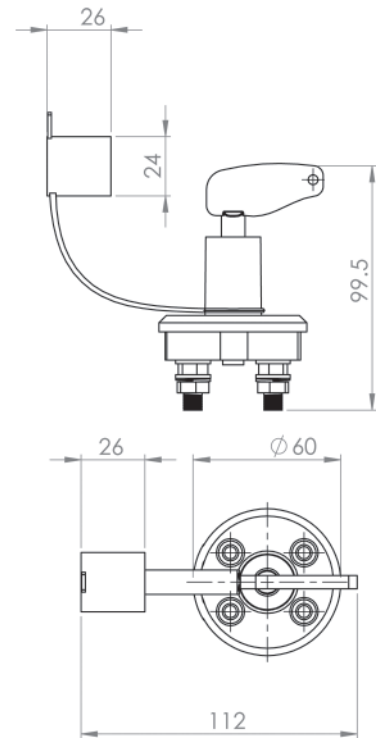
TIR HEAVY DUTY BATTERY ISOLATOR SWITCH

Its designed to work in harsh conditions for all kinds of switching needs. Suitable for LOW current

FEATURES

- Strong PLASTIC case
- 12v or 24v
- 150A continuous (1250A 5 sec)
- 2x screw terminals M8
- Supplied with waterproof cover and key with chain • 4 hole fixing 6mm Real Coper conatct point Resistance to environmental conditions

45



Specifications

Part no	Screw	Working Voltage	Power	Master Carton
ETDKP	M8	12 -24V dc	150 (A)	60pcs

Operating Temp: -40 +80

Net Weight : 115 gr

IP Raiting : IP65 (DIN EN 60529)

Construction : P6 GFR30 & ABS cover

Master Carton : 40-34-37 9 kg

Compliance : Universal

RELAY

HEADLIGHT RELAY

The EMPAR Custom Headlight Relay is the simple solution for switching between high and low beams for your headlight . This cleans up your handlebar controls nicely. You can use this for a horn switch or similar push button switch.

FEATURES

- 30 A switching capability
- 2 A contact form
- Resistance to environmental conditions
- AgNi10 Contact

Cover Colour Options

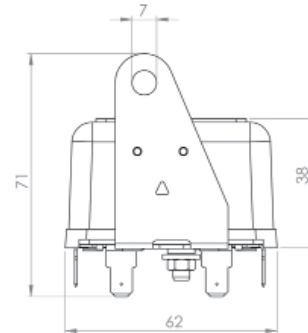
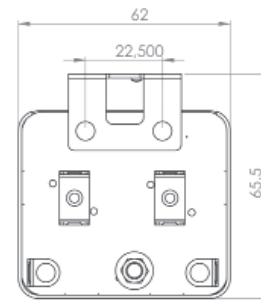


Trasparent



Black

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Specifications

Part no	Terminals	Working Voltage	Amper	Coil Resistance	Master Carton
EFR12	4	12 V dc	2X30 (A)	35 OHM	180pcs
EFR24	4	24 V dc	2X30 (A)	35 OHM	180pcs
EFR12/6	6	12 V dc	2X30 (A)	100 OHM	180pcs
EKI24/6	6	24 V dc	2X30 (A)	100 OHM	180pcs

Operating Temp: -40 +80

Net Weight : 125 gr

IP Raiting: IP60 (DIN EN 60529)

Construction : Pehonilic Fiber &ABS cover

Master Carton : 42*36*48 - 25kg

Compliance : Universal

RELAY

MINI RELAY

First step for big jobs

FEATURES

- 30 A switching capability
- 1A-1B-1C-2 A contact form
- Resistance to environmental conditions
- Mounting Bracket
- AgNi10 Contact

Cover Colour Options

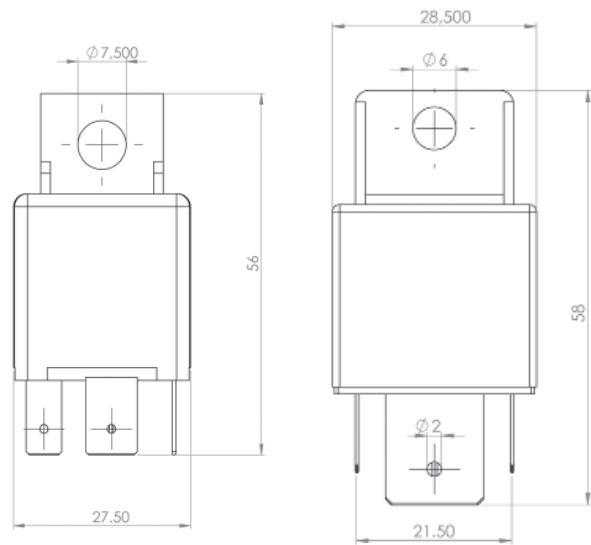
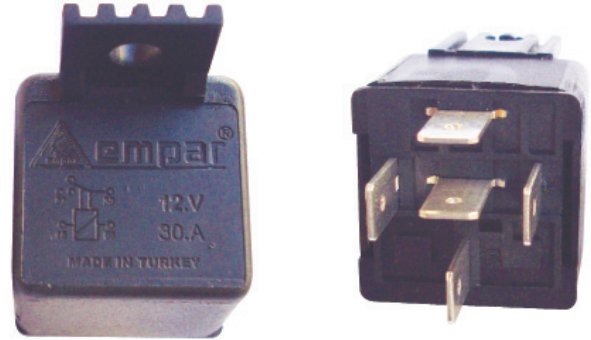


Trasparent



Black

10



Specifications

Part no	Terminals	Working Voltage	Amper	Coil Resistance	Contact form	Master Carton
EMR124030	4	12 V dc	30 (A)	90 OHM	1A	160pcs
EMR125030	4	12 V dc	30 (A)	90 OHM	1A	160pcs
EMR125130	5	12 V dc	30 (A)	90 OHM	1A	160pcs
EMR125230	5	12 V dc	30 (A)	90 OHM	1B	160pcs
EMR125330	5	12 V dc	30 (A)	90 OHM	2A	160pcs
EMR244030	4	24 V dc	30 (A)	360 OHM	1A	160pcs
EMR245030	4	24 V dc	30 (A)	360 OHM	1A	160pcs
EMR245130	5	24 V dc	30 (A)	360 OHM	1A	160pcs
EMR245230	5	24 V dc	30 (A)	360 OHM	1B	160pcs
EMR245330	5	24 V dc	30 (A)	360 OHM	2A	160pcs
EMR124070	4	12 V dc	70 (A)	90 OHM	1A	160pcs
EMR244070	4	24 V dc	70 (A)	360 OHM	1A	160pcs

Operating Temp: -40 +80

Net Weight : 25 gr

IP Rating : IP60 (DIN EN 60529)

Construction : P6 GFR30 &ABS cover

Master Carton : 40*29*13 - 6 kg

Compliance : Universal

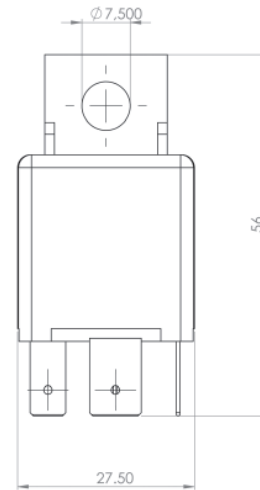
RELAY

HORN VIBRATION RELAY

Horn vibration relay designed to add color to your life

FEATURES

- 10+10 A switching capability
- 2 A contact form
- Resistance to environmental conditions
- AgNi10 Contact
- Microprocessor
- Easy installation



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Specifications

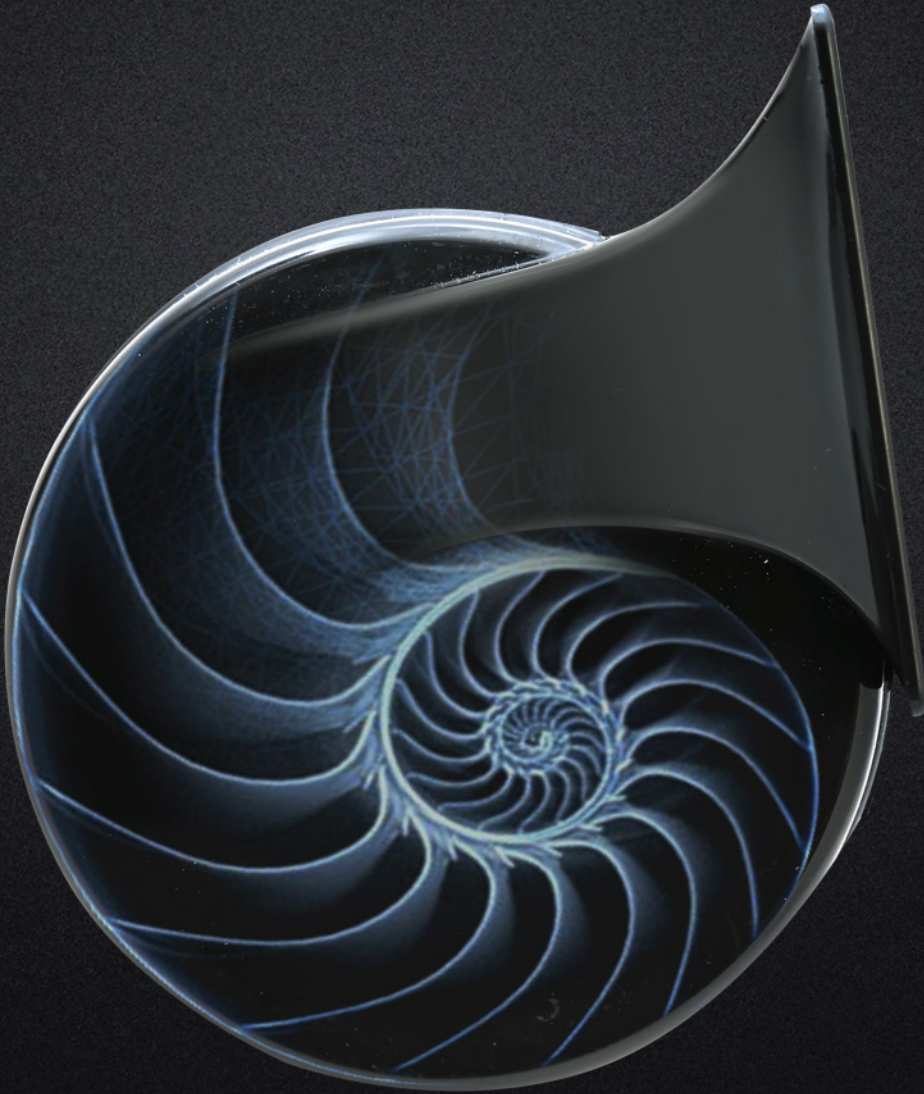
Part no	Terminals	Working Voltage	Amper	Cycle	Master Carton
ETR12	5	12 V dc	2X10 (A)	10	160pcs

Operating Temp: -40 +80
Net Weight : 25 gr
IP Rating : IP60 (DIN EN 60529)

Construction : P6 GFR30 &ABS cover
Master Carton : 40*29*13 - 6 kg
Compliance : Universal



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