



# Section n °14

## Electric and electromechanical devices

<b>INDICATOR LIGHTS</b>	14.1
<b>ROCKER SWITCH</b>	14.3
<b>"HEAVY" PUSH AND SWITCH</b>	14.10
<b>SPECIAL SWITCHES</b>	14.13
<b>DOOR SWITCHES</b>	14.19
<b>FOOT SWITCH</b>	14.23
<b>PLUGS, SOCKETS &amp; ADAPTERS</b>	14.24
<b>USB SOCKETS</b>	14.28
<b>BATTERY SWITCHES</b>	14.32
<b>LED FLASHER UNITS</b>	14.39
<b>FLASHER UNITS</b>	14.41
<b>HORNS</b>	14.44
<b>HORN AND TRUMPETS</b>	14.49

---

# Section n°14 - Electric and electromechanical devices

## INDICATOR LIGHTS



### 14.1 Indicator Led Lights

Code	Type	Volt	Led Color	Diameter
11254	indicators	12	red	20
11255	Diverter	12	green	20
11256	indicators	24	red	20
11257	indicators	24	green	20



### 14.2 Indicator Led Light with Cables

Code	Volt	Led Color	Diameter	Notes
11274	12	red	9	Cable length 50 cm
11275	12	green	9	Cable length 50 cm
11276	12	blue	9	Cable length 50 cm
11278	12	yellow	9	Cable length 50 cm
11279	12	white	9	Cable length 50 cm

## ROCKER SWITCH

APP.: stop and tilt switches



### 14.3 Switches & Diverters with Led

Code	Type	Color	Volt	Led Color	Diameter	A	Operation
11248	switch	black	12	red	20	20	ON - OFF
11249	switch	black	12	green	20	20	ON - OFF
11250	switch	black	24	red	20	10	ON - OFF
11251	switch	black	24	green	20	10	ON - OFF



### 14.4 Switches, Diverters & Buttons

Code	Type	Color	Volt	Diameter	A	Operation
11252	switch	red	12-24	20	10	OFF - MOM
11253	switch	black/red	12-24	20	16-10	ON - ON
11260	switch	black	12-24	20	15-10	OFF - ON
11261	push button	red	12-24	20	15-10	OFF - MOM



### 14.5 Switches & Diverters Sealed

Code	Type	Color	Volt	A	Operation
11266	switch	red	12-24	20-10	ON - OFF
11267	switch	black	12-24	20-10	ON - ON



### 14.6 PUSH-PULL Switches

Code	Type	Color	Volt	A	Operation
22011300	Switches	black	12-24	10	ON - OFF

## Section n°14 - Electric and electromechanical devices



### 14.7 Toggle Switch

Hole diam. 12 mm

Code	Type	Volt	A	Operation	Notes
11287	toggle switch	12-24	10	MOM-OFF-MOM	bistabile
11258	toggle switch	12-24	15-10	ON - ON	-
11259	toggle switch	12-24	15-10	ON - OFF - ON	-
11262	toggle switch	12-24	10	MOM - OFF - MOM	monostabile
11264	bipolar toggle switch	12-24	10 + 10	ON - ON	-

With black protective cap



### 14.8 Small Toggle Switch

Code	Type	Volt	A	Operation
11263	little toggle switch	12-24	5	ON - ON



### 14.9 Switches & Diverters Canting Accesories

Code	Type	Color	Raw Material
11265	protection	black	neoprene

## "HEAVY" PUSH AND SWITCH



### 14.10 "HEAVY" Push

Code	Type	Color	Volt	Diameter	IP	Operation
11292	push button	green	12-24	30	67	MOM-OFF
11293	push button	red	12-24	30	67	MOM-OFF
11294	push button	white	12-24	30	30	MOM-OFF
11295	push button	black	12-24	30	67	MOM-OFF



### 14.11 "HEAVY" Switchs

Code	Type	Color	Volt	Diameter	IP	Operation
11297	switch	red	12-24	30	67	ON-OFF
11296	switch	green	12-24	30	67	ON-OFF
11298	switch	white	12-24	30	67	ON-OFF
11299	switch	black	12-24	30	67	ON-OFF



### 14.12 "HEAVY" Switch Emergency Lights

Code	Type	Volt	Diameter	A
11300	switch	12	30	20



## Section n°14 - Electric and electromechanical devices

### SPECIAL SWITCHES



#### 14.13 Push Switch

Code	Type	Color	Volt	Diameter	A	Notes
11281	push button	black	12-24	7	10	Cable length 50 cm



#### 14.14 Starter Button Switch

Code	Color	Application
11269	red	engine start-up



#### 14.15 Start Button 60A Sealed

Code	Type	Color	Volt	Diameter	A
11283	push button	black	12-24	23,9	60



#### 14.16 Rotary Switch

Code	Color	Volt	Led Color	A
11271	black	12-24	red	20



#### 14.17 Key Switch

Code	Volt	Diameter	N.O.
11268	12-24	22	7.15 / 15

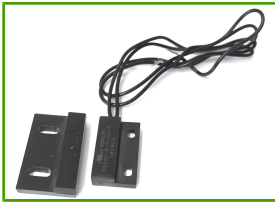


#### 14.18 Key Switch IP63

Code	Volt	Diameter	IP	N.O.
11302	12-24	55,3	63	30/50

## Section n°14 - Electric and electromechanical devices

### DOOR SWITCHES



#### 14.19 Magnetic Switch

Temperature: -40C + 105C

Code	Type	Color	Volt	A	Notes
11282	switch	black	120	0,25	closed



#### 14.20 Switch for Stop Rear Lights

Code
14001



#### 14.21 Watertight Limit Switch

Code	Kit Code	Volt	A
11301	11307	12-24	15/7,5



#### 14.22 Push-Pull

Code	Type	Color	Volt	A
11308	switch	black	13,5	3

### FOOT SWITCH



#### 14.23 Foot Switch

Code	Color	Volt	Raw Material	A	Temperature Range	Notes
11284	amber	250	PBT	5	-40°C + 85°C	Cable length 50 cm
11285	green	250	PBT	5	-40°C + 85°C	Cable length 50 cm
11286	black	250	PBT	5	-40°C + 85°C	Cable length 50 cm

## Section n°14 - Electric and electromechanical devices

### PLUGS, SOCKETS & ADAPTERS



#### 14.24 Plug 12/24V

Code	Volt	Diameter	A
235	12-24	21	16



#### 14.25 Standard Current Socket for Cars

Code	Volt	Diameter	A
236	12-24	12	16



#### 14.26 Standard Current Plug for Cars

Code	Volt	Diameter	A
237	12-24	12-21	16

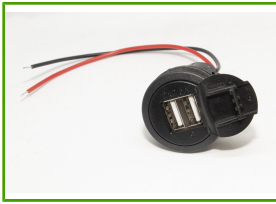


#### 14.27 USB external socket

Code	Volt	Height	Diameter	A
242	12-24	24	59	2 x 2,5

## Section n°14 - Electric and electromechanical devices

### USB SOCKETS



#### 14.28 USB Double Socket

Code	Volt	Diameter	A
239	12-24	28	5



#### 14.29 USB Double Socket with Led

Code	Volt	Diameter	IP	A
240	12-24	36,8	65	3,1



#### 14.30 Panel USB Socket

Code	Volt	Width	A	Length
241	12-24	24,5	3,1	45

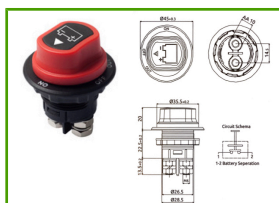


#### 14.31 USB socket, out 5-20V

Code	Volt	Diameter	A
243	12-24	28	from 2,2 to 3

# Section n°14 - Electric and electromechanical devices

## BATTERY SWITCHES



### 14.32 Battery Switch-Panel Mounting

Code	Volt	IP	Notes
806017	12-24	56	100-500 x 3 seconds
806017/KEY	-	-	spare key



### 14.33 Battery Switches 100A

Code	Notes
806009	spare key



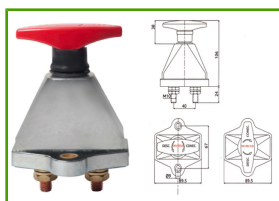
### 14.34 Spare Key

Code	Volt	N.O.	Notes	Notes 2
806013	12-24	100	removable lever and protective cap	500A / 5 seconds



### 14.35 Power switch

Code	Volt	IP	N.O.	Notes	Notes 2
806015	12-24	65	250	fixed knob	2500A / 5 seconds



### 14.36 Sealed Battery Switch

Code	Volt	IP	Notes 2
806016	12-24	67	350-3500 x 3 seconds



### 14.37 Bipolar Battery Switch

Code	Volt	IP	Notes 2
806022	32	67	2x2000A-1,5 seconds



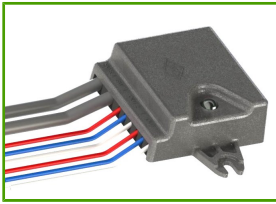
### 14.38 12V Electronic Battery Switch

Code	Volt	IP	A	Notes 2
806020	8,5-16V	67	150	1500A/30 sec. - 2300A 100 msec.

APPLICATIONS: commercial and industrial vehicles with electronic and non-manual key operated actuation that can be used for both positive and negative poles. DIRECT CURRENT: 300A 6 minutes - 400A 3 minutes - 250A 60 minutes OVER VOLTAGE: 26V 5 minutes WORKING TEMPERATURE: -30 ° C + 85 ° C

## Section n°14 - Electric and electromechanical devices

### LED FLASHER UNITS



#### 14.39 Bulb Lights Intermittence

Code	Volt	IP
CSLO2269	12-24	68



#### 14.40 Led Flasher Units

for led and lamps systems with ceck

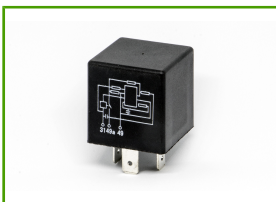
Code	Volt	Watt
1432	12	60
1433	24	60

### FLASHER UNITS



#### 14.41 Flasher Unit with Hazard

Code	Volt	Watt
1491	12	42-46x2



#### 14.42 Flasher Unit with Hazard

Code	Color	Volt	Watt
1424	blue	12	42-46x2



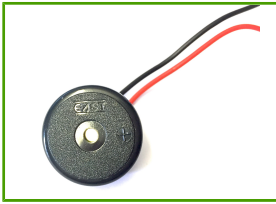
#### 14.43 Flasher Unit with Hazard

Also Suitable with Trailer Application and cars with Towbar.

Code	Volt	Watt
2415	12	2 + 1 (6)x21

## Section n°14 - Electric and electromechanical devices

### HORNS



#### 14.44 Buzzer

Code	Volt	Raw Material	IP	Temperature Range	Notes
11280	9-30	ABS	20	-20C + 60C	103dB a 12V e 110 dB a 24V



#### 14.45 Buzzer Piezoelectric

Code	Volt	IP	A	Notes
900021	6-28	55	20mA a 12V	90dB



#### 14.46 Multifrequency Buzzer White Directional Sound

Code	Volt	IP	Notes
900022	10-30	68	97 dB



#### 14.47 Buzzer Piezoelettrico

Code	Volt	Notes
900023	12-28	90 dB



#### 14.48 Acoustic Reverse Warning

Code	Volt	IP	Notes
900019	10 - 30	68	97 dB

## Section n°14 - Electric and electromechanical devices

### HORN AND TRUMPETS



#### 14.49 Horn

Code	Volt	Diameter	Sound Level	Frequency	Sound type
5591H12	12	90	114db	430 + - 5%	acute
5591L12	12	90	114 db	340 + - 5%	heavy
5591H24	24	90	114 db	430 + - 5%	acute
5591L24	24	90	114 db	340 + - 5%	heavy
5591EMH	12-80	90	108 db	403	acute



#### 14.50 Trumpets

Code	Volt	Width	Length	Sound Level	Frequency	Sound type
5580B12	12	80	83	112 db	(500-420) + - 5%	acute and heavy
5580H12	12	78	88	109 db	500	monotone acute
5580B24	24	80	83	112 db	(500-420) + - 5%	acute and heavy

affidabilità 50000 manovre (1" ON-4" OFF)



#### 14.51 Air Horn for Trucks

Code	Volt	Notes	Sound Level	Frequency
55MAX24	24	reliability 50000 operations (1 " ON-4 " OFF)	118 db	400 + - 5%



#### 14.52 High Tone Air Horn

Code	Diameter	Notes	Length	Sound Level	Frequency
5550024	141	from 260 + - 10 to 450 + - 20	577	from 114 + - 2 to 118	210 + - 10 Hz