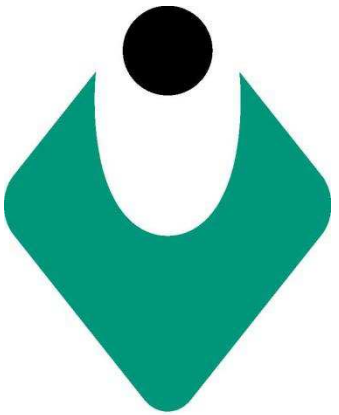


Experience and Quality at Customer service



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Electronic Product Line

Cabur Electronic Line



Power Supplies

single phase, three phase, single/two phase, battery chargers for industrial/home/building automation



Relays interfaces

Single/multiple relays for control field interface with electromechanical or solid state relays



Analogue converters / isolators modules

for galvanic isolation-conversion of Voltage, Current, Resistance, Frequency, Position, Speed, Angles, Rotation, Weight, mechanical stress/strength into standard I/O electric signals

Cabur Electronic Line



Electronic Over-current Protections for Selv-Pelv DC lines
to prevent over current onto 12V, 24V, 48V cable lines
as required by new EN60204-1



AC lines overvoltage protections

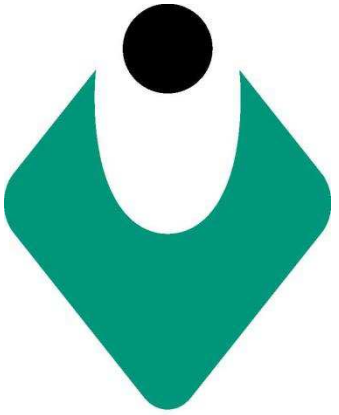
suitable for protection of 230 and 400Vac lines for the
protection of control panels and electric plants



Cabling interfaces

to interconnect cables / wires with Flat Cable, D-Sub
connectors input and screw type terminal blocks output

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Power Supplies

Cabur Power Supplies

DOMOTIC POWER : CSD Series

Single Phase Series for building/home automation and factory automation applications

EASY POWER : CSP Series

Single phase powers supplies for general purpose applications

COOL POWER : CSF Series

Single phase series for applications in industrial automation, machinery automation, process control

UNIVERSAL POWER : CSW Series

Single / Two phase Series for industrial applications in three phase networks with neutral

TRIPLE POWER : CSG Series

New three phase series for applications in industrial automation, machinery automation

Cabur Power Supplies – Domotic Power



- single phase 90-264Vac/100-340Vdc
Wide Range input
- for applications in home-building automation and industrial automation
- standard output voltages : 12V, 24V, 5...15V, 12... 15V
- DIN modular plastic housing, double isolation no PE or GND connection required
- smaller power / dimensions ratio than any competitors

Cabur Power Supplies – Domotic Power



- CSD15B output 12..15V / 1.2A
- CSD15C output 24V - 0.6A
- CSD30C output 24V - 1.2A
- CSD30E output 5...15V - 3...1.5A
- CSD30F output $\pm 12... \pm 15$ - 2 x 0.6A
- CSD50B output 12...15V - 3.5 ...3A
- CSD50C output 24V - 2.5A
- CSD70C output 24V - 3A
- UL508, UL60950, File CB, Gost, Class 1 Div 2 Haz. Loc.

Cabur Power Supplies – Easy Power



- single phase 120-230Vac input for generic applications, industrial automation and home/building automation
- **CSP120C** 24V / 5A output
- **CSP240C** 24V / 10A output
- standard output voltage : 24Vdc
- UL508 approved @ 45°C
- Competing with Chinfa and Mean Well power supplies but with better performances and smaller dimensions

Cabur Power Supplies – Cool Power



- single phase for industrial automation applications
- CSF30 30W rated output power
- CSF85 85W rated output power
- CSF120 120W rated output power
- CSF240 240W rated output power
- CSF500 480W rated output power
- standard voltages : 24V,12...15V,5V,48V
- overload capacity +100% continuous
- failure contact for $U_{out} < 21.6V_{dc}$
remote warning
- UL508, UL60950, CB File, Class1 Div2
Azz. Loc

Cabur Power Supplies – Universal Power



- 185....550Vac single / two phase input for industrial automation applications
- CSW75C 75W rated output power
- CSW120C 120W rated output power
- CSW240C 240W rated output power
- standard voltages : C 24V, D 48V, B 12...15Vdc adjustable
- UL508 approved

Cabur Power Supplies – Triple Power



- three phase series 340...550Vac input for industrial automation applications
- CSB150C 150W rated output power
- CSG10 240W rated output power
- CSG500C 480W rated output power
- CSG720C 720W rated output power
- CSG42 960W rated output power
- CSG2400C 2.400W rated output power
- available output voltages:
C 24V, B 12...15V, D 48V
- UL508 approved

Cabur Power Supplies – Best Sellers



- modular DIN housing:
CSD15B, CSD30C, CSD30E, CSD50C, CSD50B
- single phase:
CSF85C, CSF120C, CSF240C
- three phase:
CSB150C, CSG10, CSG500C
- above models shares up to 80% of total sales

Cabur Power Supplies – Comparisons



efficiency and dissipation

Cabur CSG500C	94.5%	28W
Quint SFB	92%	42W
Trio 20	91%	47W
Chinfa DRA480-24	90%	53W
Sitop 20	89%	59W
Mean Well DRT480-24	88%	65W
Weidmuller CP SNT3 20	87%	71W

electricity costs in 1-year (0.14€ / kWh)

Cabur CSG500C	35 €
Quint SFB	53 €
Trio 20	58 €
Chinfa DRA480-24	68 €
Sitop 20	72 €
Mean Well DRT480-24	82 €
Weidmuller CP SNT3 20	87 €

Cabur Power Supplies – Comparisons

dimensions and space savings



Quint SFB	70x130mm	0%
Cabur CSG500C	80x124mm	+10%
Trio 20	115x130mm	+43%
Sitop 20	160x125mm	+200%
Chinfa DRA480-24	166x130mm	+205%
Mean Well DRT480-24	230x125mm	+252%
Weidmuller CP-SNT480	230x125mm	+252%

Cabur Power Supplies – vs. Phoenix

Trio 2.5A I_{max} 2.75A, L = 3.5cm

CSF85C I_{max} 6A , L = 4cm

Trio 5A I_{max} 6A, L= 4.5cm

CSF120C I_{max} 9A , L = 4cm

Trio 10A I_{max} 11A , L = 6cm

CSF240C I_{max} 15A, 25Ax0.5s, L= 6cm

Trio 10A 3f I_{max} 11A , L = 6cm

CSG10 I_{max} 15A, 20Ax3s, L = 9cm

Trio 20A 3f I_{max} 11A , L = 11.5cm

CSG500C I_{max} 50A, 30Ax5s, L = 8cm

Cabur Power Supplies – vs. Weidmuller

Weidmuller 3A I_{max} 3.7A, L = 5.5cm

CSF85C I_{max} 6A , L = 4cm

Weidmuller 5A I_{max} 6A, L= 6.5cm

CSF120C I_{max} 9A , L = 4cm

Weidmuller 10A I_{max} 11A , L = 13cm

CSF240C I_{max} 15A, 25Ax0.5s, L= 6cm

Weidmuller 10A 3f I_{max} 11A , L = 13cm

CSG10 I_{max} 15A, 20Ax3s, L = 9cm

Weidmuller 20A 3f I_{max} 23A , L = 23.5cm

CSG500C I_{max} 50A, 30Ax5s, L = 8cm

Cabur Power Supplies – vs. Meanwell

Meanwell 3A I_{max} 3.7A , L= 5.5cm

CSF85C I_{max} 6A , L = 4cm

Meanwell 5A I_{max} 6A

CSF120C I_{max} 9A , L = 4cm

Meanwell 10A I_{max} 11A

CSF240 I_{max} 15A, 25Ax0.5s, L = 6cm

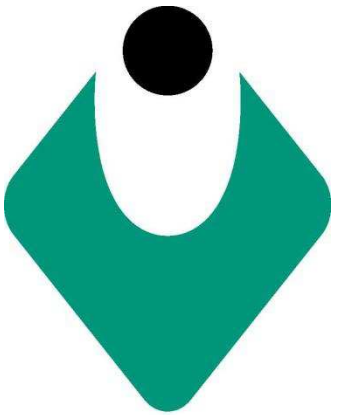
Meanwell 10A 3f I_{max} 11A

CSG10 I_{max} 15A, 25Ax1.5s, L = 9cm

Meanwell 20A 3f I_{max} 23A , L = 23cm

CSG500C I_{max} 50A, 30Ax5s, L = 8cm

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Electronic Protections

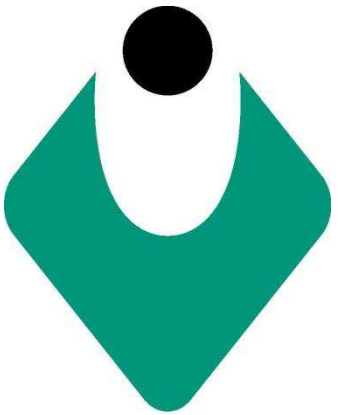
Cabur Electronic Protections

- programmable from 1A to 10A by 1A steps
- 3 programmable curves : rapid, medium rapid, delayed
- special custom curves are also programmable
- load ON / load OFF local command pushbutton
- ON / OFF remote load command from PLC with high safety signal PLC (100ms OFF signal, 1s ON signal)
- local status led display and remote status signal
- failure memory
- load disconnection manual slide switch
- 24Vdc 10x3mm copper busbar common potential distribution
- set up can be protected by sealing the front panel

Cabur Electronic Protections

- advantages versus thermo magnetic switches:
- one code covers the range from 1 to 10A and three I/t curves
- high accuracy current switch off threshold
- faster switch off and higher repeatability
- load can be switched on/off without opening the panel and thus stopping machinery
- integrated remote status signal and failure memory
- 8.2mm large housing (thermo magnetic are 17.5mm large)
- disadvantages : higher cost , lower availability

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Relay Modules



Cabur Relay Modules



MULTIPLE

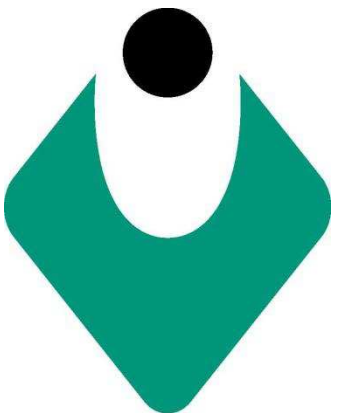
- modules with 4 , 8 , 16 relays
- input 12Vdc, 24Vdc, 24Vac/dc, 48Vdc, 110Vdc, 120Vac, 230Vac
- versions with protection fuse, test switch, flat cable connector
- PLC interface modules with Flat cable or D-Sub type connectors



COMPACT

- 8 contacts 10A in 22mm, soldered relay version
- 8 contacts 10A in 35mm, socket mounted relay version
- 24Vac/dc universal input, 2.5mm² pluggable terminal blocks
- versions with Flat Cable type input connector

Experience and Quality at Customer service



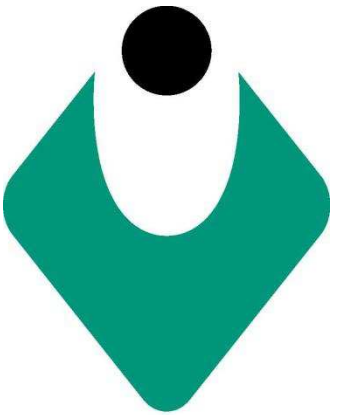
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**Analogue Signals
Converters and
Isolators**

Cabur Analogue Signal Converters and Isolators



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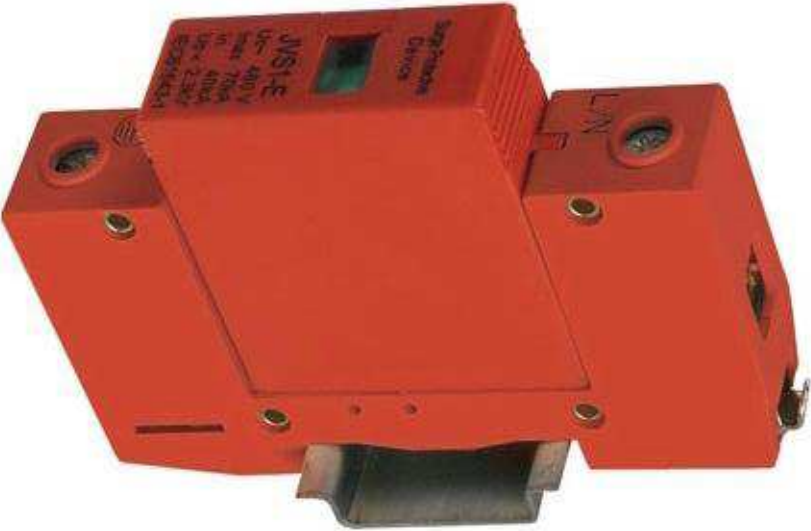


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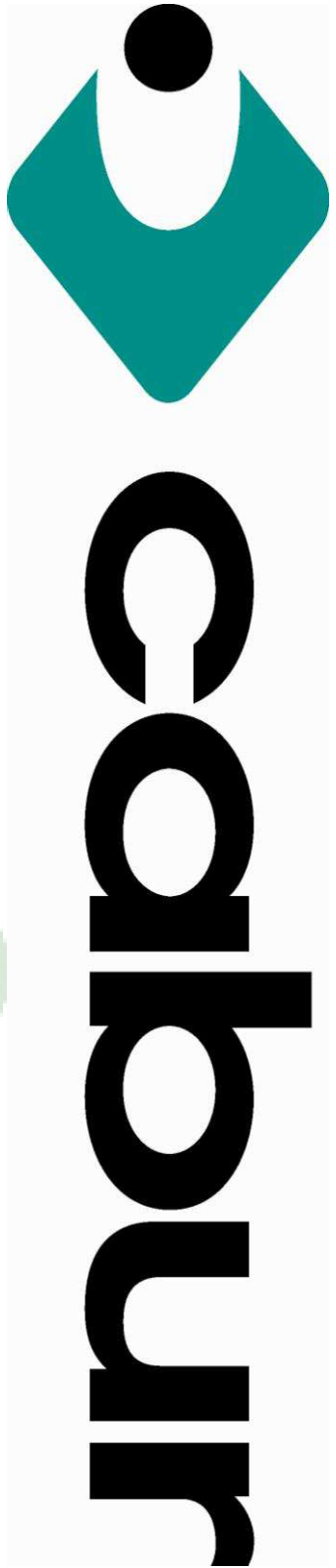
Overvoltage Protections

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Cabur Overvoltage Protections



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EMI Filters



Cabur EMI Filters

- **3-Phase Filters - 480Vac
cammut connection**
- **3-Phase + Neutral Filters - 480Vac
terminal block connection**
- **Single Phase Filters single cell - 250Vac
faston connection**
- **Single Phase Filters double cell - 250Vac
faston connection**