

Nitron, a lot of power for little money

New oscilloscopes

Fibre optic transceivers

Kingstate – new supplier

MiniReel

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Filtronic air curtain cabinet type CBC

A unique concept in closed hood applications

Personnel working in laboratories are subjected to a number of unpleasant substances. Solvents, smelling substances or substances with unknown contents. The air curtain cabinet has airflow from the top of the cabinet moving down to the front of the cabinet. This provides clean air for persons working by the cabinet. A turbulence is created inside the cabinet that contains fumes and gases. The air is then sucked out through the top part of the cabinet. The sucked-out air can be passed to some of the Filtronic filter systems, e.g. MG100S or MG350, and is re-circulated in the room. Can also be connected to a central ventilation system with a maximum airflow of 200 m³/h.

Large accessible work space

Thanks to the air curtain no glass pane is needed for the cabinet. Personnel can move their arms freely and can easily supervise the process.

Mobile system

The air curtain cabinet can be put directly on the workbench. Low weight and easily movable. No fixed installations are needed.

Economic to operate

A normal closed hood needs an air circulation of 1000 m³/h, the air curtain cabinet only 200. This means low operating costs. If a central exhaust is used much less air needs to be replaced and heated. If the Filtronic mobile filter system is used no new air needs to be heated.



Technical data

Dimensions, (DxHxD): inside 1120x525x580 mm
outside 1275x625x760
Exhaust: 180-230 m³/h
Weight: 53 kg
Sound level: 49 db(A) vid 1 m, 200 m³/h



Type	Stock no.	Price/each
Air curtain cabinet with roof of sheet metal (G01) and back made of sheet metal (G65) Connection in roof sleeve coupling diameter 100 mm, ESD-safe CBC-A-112-G01-G56-00	82-540-05	1 713,00
Air curtain cabinet with roof of sheet metal with 4 pcs. of quick fastening (G04) for connection to 2 pcs. of MG100S and a back side made of sheet metal (G65). CBC-A-112-G04-G56-00	82-540-06	1 769,00
Air curtain cabinet with roof of sheet metal (G01) and a back side made of sheet metal (G65). Connection in roof diameter 100 mm, ESD-safe with lighting inside Halogen 3 x 20 W CBC-A-112-G01-G56-11	82-540-07	1 899,00
Air curtain cabinet with roof of sheet metal with 4 pcs. of quick fastening (G04) for connection to 2 pcs. of MG100S and a back side made of sheet metal (G65), with lighting inside Halogen 3 x 20 W CBC-A-112-G04-G56-11	82-540-08	1 955,00

Please contact ELFA for design plan of the system, mobile filter systems ordered separately.

New luminaries at good prices

Magnifying luminarie 8064-3

Combination of magnifying glass and lamp fitting completely in metal. Circular 22 W fluorescent lamp provides effective working light without producing bothering heat. Parallel spring loaded arm with handle makes it easy to set the arm in the preferred position. Built-in ballast in the lower part of the stand. Protection class 1 (earthed). Supplied with fluorescent lamp and table clamp, max. grip width 65 mm.

Technical data	
Supply voltage:	220-240 Vac/50 Hz
Arm length:	400+400 mm
Cover:	Ø 220x50 mm
Lens:	Ø 120 mm
Magnification:	1,75 times/3 dioptries
Lamp:	22 W, socket G 10q-4
Weight:	3,2 kg
Colour:	Grey-white



Type	Stock no.	Price/each	
		1-	10-
8064-3	82-975-19	38,70	34,80

Spare fluorescent lamp stock no. 33-533-80

Magnifying luminaire 8069

Magnifying lamp with glass lens and double fluorescent lamps (2x9 W) which provides even and shadow-free light. Parallel spring loaded arm with built-in ballast in the lower part of the stand. Collapsible lens protection against unintentional burning. Protection class, earthed. Supplied with fluorescent lamp and table clamp, max. grip width 65 mm.

Technical data	
Arm length:	400+400 mm
Cover:	280x210x40 mm
Lens:	190x157 mm
Magnification:	1,75 times/3 dioptries
Lamp:	2 st 9 W, socket G23
Light colour:	6000 K
Weight:	3,2 kg
Colour:	Grey-white



Type	Stock no.	Price/each	
		1-	10-
8069	82-975-35	66,10	56,80
Spare fluorescent lamp 9 W 6000 K	33-542-30	4,13	

Fluorescent light fitting

Table light fitting completely in metal with lamp fitting with ball joint for fluorescent lamps 2x15 W. Integral reflector. Parallel spring loaded arm with ballast built into the stand pipe. Supplied with 2 pcs. of 15 W fluorescent lamps, table clamp, max. grip width 65 mm and connection cable with earth

Technical data	
Supply voltage:	220-240 Vac/50 Hz
Arm length:	400+400 mm
Cover:	480x120x50 mm
Lamp:	Fluorescent lamp 2x15 W
Light colour:	Daylight, 6500 K
Colour:	Lightgray



Type	Stock no.	Price/each	
		1-	10-
8011-3	82-975-60	35,90	32,30
Spare fluorescent lamp 15 W 6500 K	82-975-61	2,59	

Spare fluorescent lamp full-colour 2700 K, stock no. 33-533-31

New headlamps from Petzl

Myo, Myo 5 and Myo 5 belt

Headlamp with an elastic, adjustable three-piece headband designed with a battery compartment for back of the head for 4 pcs. of LR6 1.5 V batteries. The head can be adjusted vertically and a focal ring on the lamp head can adjust the width of the light beam. Light source made up of a Xenon-halogen lamp (Myo). The Myo 5 also has 5 LEDs with three different light intensity positions. Withstands damp. The Myo 5 belt is delivered with a larger battery compartment for 4 pcs. of LR14 attached to the belt. Supplied with 4 pcs. of LR6 and LR14 batteries respectively.



Manufacturer Petzl

Technical data	
Light sources:	Xenon-halogen and LED
Battery:	Myo, Myo 5 4 pcs LR6, Myo 5 belt 4 pcs LR14
Range:	Halogen 100 m, LED 15 m
Operating time halogen:	Myo/Myo 5, 4 h, Myo 5 belt 11 h
LED:	Myo 5 up to 160 h, Myo 5 belt up to 360 h
Weight:	Myo 5 238 g, Myo 5 belt 453 g incl. batteries
Warranty:	3 years

Type	Description	Stock no.	Price/each
E26P	Myo	80-956-55	34,30
E28P	Myo 5	80-956-63	70,30
E3030P	Myo 5 belt	80-956-71	76,00

Rechargeable spotlights

Type 2933

Rechargeable spotlight lamp made up of a halogen lamp with a light intensity of 3.5 Mcd (candela) and a large reflector diameter 170 mm. Provides a very bright light beam with long range. Provided with carrying handle, suspension hook and adjustable swivel stands. Made of impact-proof ABS plastic. Supplied with nylon carrying strap, 2 chargeable lead batteries 6.0 V/4.0 Ah, charger and 12 V charging cable, 3 m with plug for cigarette outlets in cars.



Manufacturer Johnlite

Technical data	
Dimensions:	210x210x295 mm
Weight:	2,60 kg
Halogen lamp:	Philips 12 V, 100 W

Type	Stock no.	Price/each
Spotlight 2933	80-752-77	27,80
Spare battery 6 V/4,5 Ah	69-530-46	14,50
Spare lamp Halogen 12 V/100 W	33-581-65	4,43

Type 2936

Rechargeable spotlight lamp made up of a halogen lamp with a light intensity of 2 Mcd (candela) for long range, reflector diameter 125 mm and adjustable spotlight vertically for illumination of the proximity area. Separate switches. The handle can be set in two different positions with an angle of 180°. Made of impact-proof ABS plastic. Supplied with rechargeable lead battery 6.0 V/4.0 Ah, charger and 12 V charging cable, 3 m with plug for cigarette outlets in cars.



Technical data	
Dimensions:	220x250x165 mm
Weight:	1,45 kg
Halogen lamp:	6 V, 55 W
Argon lamp:	6 V, 3 W

Manufacturer Johnlite

Type	Stock no.	Price/each
Spotlight 2936	80-752-51	24,10
Spare battery 6,0 V/4,5 Ah	69-530-46	14,50

Please note that these products contain lead batteries. This type of battery must be returned to the supplier for recycling.

For all Torx screws

Torx set with 29 parts including 1/4"- and 3/8"-sockets for square fitting. Sockets for internal and external Torx tracks and torx bits with guide holes for safety screws of the Torx TR type. Made of matt chromed chrome vanadium steel. Supplied in a case made of a rugged oil and temperature resistant plastic with fixed interior.

The set contains:

Sockets for external tracks

- 5 pcs. of 1/4" 25 mm sockets: E4, E5, E6, E7, E8
- 6 pcs. of 3/8" 28mm sockets: E10, E12, E14, E16, E18, E20

Sockets for internal tracks

- 10 pcs. of 3/8" 48 mm sockets: T10, T15, T20, T25, T27, T30, T40, T45, T50, T55
- 7 pcs. of 1/4" 25 mm bits with guide hole: T10, T15, T20, T25, T27, T30, T40
- 1 piece of Bit adaptor 3/8"-socket x 1/4"hex grip socket



Manufacturer Honiton

Technical data	
Dimensions:	240x160x55 mm

Type	Stock no.	Price/each
132029E	80-578-38	21,20

Radox at ELFA

The well-known equipment wire Radox manufactured by Hubner+Suhner is now available in the ELFA range. The wire is halogen-free and gives off little smoke when burning. The wire is available in two different temperature classes, 125 °C and 155 °C respectively and with areas of 0.25 mm to 6.00 mm². Up to 11 different colours/area are kept in stock. See our website www.elfa.se stock no. 55-400-00 for further information.



Voltage regulation



We now extend our range with standard regulators at very good prices in the 78- and 79-series from Taiwan Semi.

Discription	Stock no.	Price/each		
		1-	10-	50-
TS7805CI	73-000-16	0,90	0,68	0,54
TS7806CI	73-000-24	0,90	0,68	0,54
TS7808CI	73-000-32	0,90	0,68	0,54
TS7809CI	73-000-50	0,90	0,68	0,54
TS7810CI	73-000-57	0,90	0,68	0,54
TS7812CI	73-000-65	0,90	0,68	0,54
TS7815CI	73-000-73	0,90	0,68	0,54
TS7818CI	73-000-81	0,90	0,68	0,54
TS7824CI	73-000-99	0,90	0,68	0,54
TS78L05CTTR	73-001-07	0,47	0,34	0,26
TS78L08CTTR	73-001-15	0,47	0,34	0,26
TS78L09CTTR	73-001-23	0,47	0,34	0,26
TS78L12CTTR	73-001-31	0,47	0,34	0,26
TS78L15CTTR	73-001-49	0,47	0,34	0,26
TS78L18CTTR	73-001-56	0,47	0,34	0,26
TS78L24CTTR	73-001-64	0,47	0,34	0,26
TS78L05CSTR	73-001-72	0,52	0,37	0,28
TS78L08CSTR	73-001-90	0,52	0,37	0,28
TS78L09CSTR	73-001-98	0,52	0,37	0,28
TS78L12CSTR	73-002-06	0,52	0,37	0,28
TS78L15CSTR	73-002-14	0,52	0,37	0,28
TS78L24CSTR	73-002-22	0,52	0,37	0,28
TS78M05CZ	73-002-40	0,68	0,51	0,41
TS78M06CZ	73-002-48	0,68	0,51	0,41
TS78M08CZ	73-002-55	0,68	0,51	0,41
TS78M09CZ	73-002-63	0,68	0,51	0,41

Discription	Stock no.	Price/each		
		1-	10-	50-
TS78M12CZ	73-002-71	0,68	0,51	0,41
TS78M15CZ	73-002-89	0,68	0,51	0,41
TS78M18CZ	73-002-97	0,68	0,51	0,41
TS78M20CZ	73-003-05	0,68	0,51	0,41
TS78M24CZ	73-003-13	0,68	0,51	0,41
TS7905CI	73-003-21	1,13	0,80	0,61
TS7906CI	73-003-39	1,13	0,80	0,61
TS7908CI	73-003-47	1,13	0,80	0,61
TS7909CI	73-003-54	1,13	0,80	0,61
TS7912CI	73-003-62	1,13	0,80	0,61
TS7915CI	73-003-80	1,13	0,80	0,61
TS7918CI	73-003-88	1,13	0,80	0,61
TS7924CI	73-003-96	1,13	0,80	0,61
TS79L05CTTR	73-004-04	0,47	0,38	0,26
TS79L09CTTR	73-004-12	0,47	0,38	0,26
TS79L12CTTR	73-004-30	0,47	0,38	0,26
TS79L15CTTR	73-004-38	0,47	0,38	0,26
TS79L18CTTR	73-004-46	0,47	0,38	0,26
TS79L24CTTR	73-004-53	0,47	0,38	0,26
TS79L05CSTR	73-004-61	0,52	0,42	0,28
TS79L09CSTR	73-004-79	0,52	0,42	0,28
TS79L12CSTR	73-004-87	0,52	0,42	0,28
TS79L15CSTR	73-004-95	0,52	0,42	0,28
TS79L18CSTR	73-005-03	0,52	0,42	0,28
TS79L24CSTR	73-005-11	0,52	0,42	0,28

Pliers from Daiken

Pliers with return spring

Chrome-vanadium steel with induction hardened cutting edges and single joint. Ergonomic bi-component handles made from ABS/rubber for non-slip grip. Integral hidden return spring reduces load in the hand. Cutting hardness c. 60 Hrc.



Manufacturer Daiken

Model	Type	Length	Tip width	Cutting capacity piano wire	Stock no.	Price/each 1-	6-
DCP-6EC	Combination pliers	160 mm		Ø 1,9 mm	80-579-03	8,12	7,45
DCP-8EC	Combination pliers	200 mm		Ø 2,2 mm	80-579-05	10,30	9,84
DLN-6EC	Snipe nose pliers	160 mm	4 mm		80-579-11	7,84	7,20
DLN-8EC	Snipe nose pliers	200 mm	4 mm		80-579-13	8,85	8,12
DBN-6EC	Snipe nose pliers/angled	160 mm	3 mm		80-579-29	8,40	7,71
DBN-8EC	Snipe nose pliers/angled	200 mm	3 mm		80-579-31	8,68	8,88
DDP-6EC	Cutter	160 mm		Ø 2,0 mm	80-579-37	8,33	7,63

Pliers with gear mechanism

Cutter, three joints with gear mechanism that gives 60 % more pressure power compared to conventional single-joint pliers.

Model	Type	Length	Tip width	Cutting capacity piano wire	Stock no.	Price/each 1-	6-
DCOM-80WB	Combination pliers	200 mm		Ø 2,2 mm	80-579-45	13,60	12,80
DDP-70WB	Cutter	180 mm		Ø 2,0 mm	80-579-47	13,60	12,80
DLN-85WB	Snipe nose pliers	220 mm	3 mm		80-579-49	13,60	12,80
DEND-70WB	End cutter	180 mm		Ø 2,2 mm	80-579-51	13,60	12,80

IP traffic by two-wire using SDSL modem from Net To Net

The modem transfers IP traffic with up to 2.3 Mbit/s by 3 km two-wire (AWG26), longer distance at lower rate. Main application area is to connect networks using ordinary copper wire or to supply Internet access. The modem can be used for point-to-point connections or against DSLAM. 2 units, a SNE23000-s (subscriber) to SNE2000-P (provider) for point-to-point connection.



Technical data	
Plug & Play installation	
Power supply by mains adaptor	
RJ45 to connect the network	
2.3 Mbit at c. 3 km	

Type	Stock no.	Price/each
SNE 2000G-P	25-843-08	547,00
SNE 2000G-S	25-843-16	547,00

5,6" TFT-display

The display provides a clear and sharp picture and is designed for mobile use. It has inputs for composite video signals e.g. DVD, backwards looking camera, etc. optional using the enclosed remote control. Frame for insertion in e.g. head rest is enclosed.



Technical data	
System:	PAL/NTSC
Supply voltage:	12 VDC
Dimensions:	151x119x31 mm

Type	Stock no.	Price/each
FD-5643	30-640-52	335,00

Keyboard Logitech Cordless Desktop Navigator

A flat cordless keyboard in white and silver complete with matching cordless optical mouse. Quiet keys with nice writing feeling, multimedia and web functions keys enable quick access to images, music and the web.



Technical data	
For Windows Me, 2000, NT 4.0, 98, XP and MAC OS X	
USB & PS/2 connection	
Swedish/Finnish with 105 keys	
5-year warranty	

Type	Stock no.	Price/each
Cordless Desktop Navigator	25-438-58	82,80

Mice from Logitech

MX700 is a cordless mouse with an optical resolution of 800 dpi and a reading rate of 4.7 megapixels/s. This, together with fast radio technology, provides the same flexibility as cord connected mice. Enclosed are rechargeable NiMH batteries and charger/receiver, which makes changing batteries unnecessary. For right-handed users.

MouseMan Traveller is a small mouse especially adapted to portable computers. A practical soft case is enclosed. For both right and left hand users. Both mice are connected to the USB or PS/2 by an adaptor. Works with Windows 95/98/Me/NT4.0/2000/XP and MAC. 5-year warranty.



Type	Stock no.	Price/each
Cordless optical mouse MX700	25-437-42	71,50
MouseMan Traveller	25-437-59	43,20

SMC network switches 19"

Network switches form the SMC Tiger line with 8, 16 or 24 10BaseT/100Base-TX RJ45 ports. Automatic transmission rate detection up to 200Mbps and full duplex on each port provides high performance. Auto MDI-X function on the 16 and 24 port switches. All switches come with a kit for mounting in 19" racks and rubber feet for desktop use.



Type	Stock no.	Price/each
SMC-EZ108FDT 8 ports	25-282-06	114,00
SMC-EZ1016FDT 16 ports	25-282-14	182,00
SMC-EZ1024FDT 24 ports	25-282-22	269,00

Batteries for mobile phones

Chemical system: Li-Ion.



For model	Voltage/Capacity	Stock no.	Price/each
Ericsson T100	3,6 V/600 mAh	69-148-57	26,90
Ericsson T200	3,6 V/600 mAh	69-148-65	26,90
Ericsson T300	3,6 V/600 mAh	69-148-73	25,70
Motorola T720	3,6 V/500 mAh	69-148-81	31,20
Nokia 5100/6100	3,6 V/600 mAh	69-148-99	30,10
Nokia 3410	3,6 V/900 mAh	69-149-07	31,30
Panasonic GD67	3,6 V/600 mAh	69-149-15	27,10
Panasonic GD87	3,6 V/720 mAh	69-149-23	36,30
Siemens C55/S55	3,6 V/650 mAh	69-149-31	27,90

Powerful and simple calculators from HP

Two new models from Hewlett Packard, designed with practical protective cover that withstands rough treatment.

HP9s is a technical calculator, 1 row/10 characters

- Bracket calculation in 15 levels
- Metric conversion functions, etc.



Technical data

Battery: 2 pcs LR44
 Dimensions: 81x155x13,7 mm
 Weight: Appr. 125 g

HP9g is a programmable graphic calculator 2 rows/10 character

- Programmable 400 words
- 26 independent memories
- Dual display, shows calculations/graphics
- Adjustable contrast, etc.

Technical data

Battery: 2 pcs LR44
 Dimensions: 81x155x13,7 mm
 Weight: Appr. 130 g

Type	Stock no.	Price/each
HP 9s	25-040-82	18,60
HP 9g	25-040-90	51,30

Both calculators are supplied with batteries and Swedish manual.

Computer switch/KVM switch 2 and 4 ports

KVM switch /Keyboard, Video, Mouse), a switch that makes it possible to use the same monitor, keyboard and mouse for two or four computers (PS/2) respectively. Switches between active computers either by push of a button or automatically. LED indication for function/monitoring.



Manufacturer Aten

Technical data

Design: Plastic box
 Function: Manual KVM-switch, 2 ports
 Connector monitor: 15-pole HD D-Sub male
 keyboard: 6-pole mini-DIN female
 mouse: 6-pole mini-DIN female
 Dimensions: Appr. 100x85x28 mm
 Weight: 135 g

Type/design	Stock no.	Price/each
CS-912 KVM-switch, 2 ports Supplied with 2 pcs. of 1.2 m connection cable assembly	25-496-08	112,00
CS-914 KVM-switch, 4 ports Supplied with 4 pcs. of 1.2 m connection cable assembly	25-496-16	168,00

Supplied with English manual.

Extension of the M12 connector range



ELFA is extending the range of M12 connectors manufactured by Binder. M12 connectors are used e.g. in sensor applications. We are now able to offer approximately 25 new types straight from stock. Among the new types are:

- Completely shielded connectors
- UL-approved connectors
- 8-pole connectors
- B-coded connectors for profibus applications
- Chassis connectors for back and front mounting
- Adaptors between M12 and M8



Manufacturer Binder

For further information see www.elfa.se stock no. 44-570-08.

Modular jacks

Modular jacks with LEDs, for angled mounting on PCBs

Modular jacks 8/8, RJ45 for angled mounting on PCBs. With or without screen and single or dual port model. Category 5. Integral LEDs for 5 V system. Every port is available with yellow/green or green/green LED indication. Suitable for use in LAN applications, like network cards and routers. Solder connection and screen connection direct to the PCB. Lum. intensity at IF = 2 mA: 0.5 mcd.



Manufacturer Amphenol

Type	No. of ports	Stock no.	Price/each		
			1-	10-	50-
Model without shield					
RJHS-5081	1 (green/yellow)	42-482-09	2,27	1,97	1,67
RJHS-5081-02	2 (green/yellow)	42-482-17	4,15	3,60	3,05
RJHS-5085	1 (green/green)	42-482-66	2,27	1,97	1,67
RJHS-5085-02	2 (green/green)	42-482-74	4,15	3,62	3,05
Model with shield					
RJHS-5381	1 (green/yellow)	42-483-32	3,32	2,87	2,43
RJHS-5381-02	2 (green/yellow)	42-483-40	5,92	5,14	4,34
RJHS-5385	1 (green/green)	42-484-07	3,32	2,87	2,43
RJHS-5385-02	2 (green/green)	42-484-15	5,92	5,14	4,34

Stacked modular jacks with LEDs, for angled mounting on PCBs

Stacked modular jacks 8/8, RJ45 for angled mounting on PCBs. Screened in a dual-port or eight-port model. Category 5. Integral LEDs for 5 V system. Every port is available with a yellow/green or green/green LED indication. Suitable for use in LAN applications, like network cards and routers. Solder connection and screen connection direct to the PCB. Lum. intensity at IF = 2 mA: 0.5 mcd



Manufacturer Amphenol

Type	No. of ports	Stock no.	Price/each		
			1-	10-	50-
RJSA-5381-02	2 (green/yellow)	42-484-64	11,10	9,33	8,44
RJSA-5381-08	8 (green/yellow)	42-484-72	25,90	21,70	19,70
RJSA-5385-02	2 (green/green)	42-485-06	11,10	9,33	8,44
RJSA-5385-08	8 (green/green)	42-485-14	25,90	21,70	19,70

Ethernet Buccaneer

The networks of today have often moved from the offices out into industrial environments and outdoor environments. The demands for safer and more durable computer connections have therefore increased. The solution is called Ethernet Buccaneer. The series is based on the Buccaneer connector where a shielded RJ45 connector is built into the cover. The RJ45 connectors are connected and the outer cover is then threaded tight against the connected chassis connector. You thereby get a durable and waterproof (IP68) connection perfect for solutions where the

environmental demands are high. The cable assemblies are available with polyethylene (PE) or polyurethane (PUR) cable. They are manufactured from S-FTP cable, connected according to T568B and are tested for speeds of up to 100 MHz (cat 5E). The PE cable assemblies withstand water and UV radiation and is suitable for outdoor applications. The PUR cable assemblies withstand e.g. oils and are suitable for industrial indoor applications.



Manufacturer Bulgin

Model	Type	Fig	Stock no.	Price/each
PX0834/B	Cable connectors incl. RJ45 connector	1	44-670-07	17,60
PX0833		2	44-670-15	34,60
Cable assembly with PE cable		Length		
PX0831/2M00	2 m	3	44-670-23	30,20
PX0831/3M00	3 m	3	44-670-31	32,10
PX0831/5M00	5 m	3	44-670-49	34,10
PX0832/2M00	2 m	4	44-670-56	30,70
PX0832/3M00	3 m	4	44-670-64	32,40
PX0832/5M00	5 m	4	44-670-72	34,10
Cable assembly with PUR cable				
PX0837/2M00	2 m	3	44-671-06	30,20
PX0837/3M00	3 m	3	44-671-14	32,10
PX0837/5M00	5 m	3	44-671-22	34,10
PX0838/2M00	2 m	4	44-671-30	30,70
PX0838/3M00	3 m	4	44-671-48	32,40
PX0838/5M00	5 m	4	44-671-51	34,10
PX0835	Cover for cable connectors		44-670-80	2,32
PX0733	Cover for female sockets		44-670-98	1,06

For complete information see www.elfa.se.

SMS Quickmate

Now you will find SMS Quickmate in the ELFA range. The series is a versatile and economic connector system made up of connector housings for cable, panel and PCB mounting. The housings are equipped with the same crimp pins and sockets that fit the Trim-Trio series from Souriau. Available with pole numbers from 2 to 24. For complete information see 44-350-04 on www.elfa.se under stock no. 44-350-04.



Manufacturer Souriau

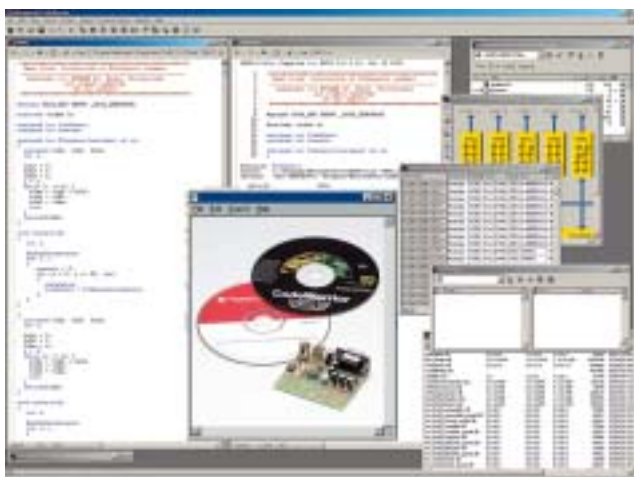
Motorola Nitron, a lot of power for little money

Motorola now offers an economic 8-bit single chip computer series based on Motorola's HC08-core. The models differ in regard to the amount of flash memory, number of I/O pins and A/D converters. For further data see www.elfa.se.

Type	Flash	Package	A/D	Stock no.	Price/each	
					1-	50-
MC68HC908QT1CP	1,5 K	DIP8	no	73-956-01	2,07	1,80
MC68HC908QT1CDW	1,5 K	SO8	no	73-956-19	2,07	1,80
MC68HC908QT4CP	4 K	DIP8	yes	73-956-27	2,95	2,57
MC68HC908QT4CDW	4 K	SO8	yes	73-956-35	2,95	2,57
MC68HC908QY1CP	1,5 K	DIP16	no	73-956-43	2,33	2,03
MC68HC908QY1CDW	1,5 K	SO16	no	73-956-50	2,33	2,03
MC68HC908QY4CP	4 K	DIP16	yes	73-956-68	3,57	3,10
MC68HC908QY4CDW	4 K	SO16	yes	73-956-76	3,57	3,10

The Motorola Nitron Demo Kit

A demo-kit for evaluation and experiments using the Motorola new economic single chip computers in the HC08 series. The set contains demo card with a 68HC908QT4, battery and CDs with documentation, exercises and software CodeWarrior Development Studio, which is a C-compiler. The serial port connects the card to a PC. Supplied in case that also contains a calculator and calendar.



Type	Stock no.	Price/each
Nitron Demo Kit	73-956-92	39,10

Power supply, bench type 30 V, 3 A

A robust and good quality linear bench type power supply with simultaneous display of voltage and current, low noise. Constant voltage/current functions and fine adjustment. Offer valid through 2003-09-30.



210,-



Technical data

Dimensions: 128x145x285
Weight: 5 kg

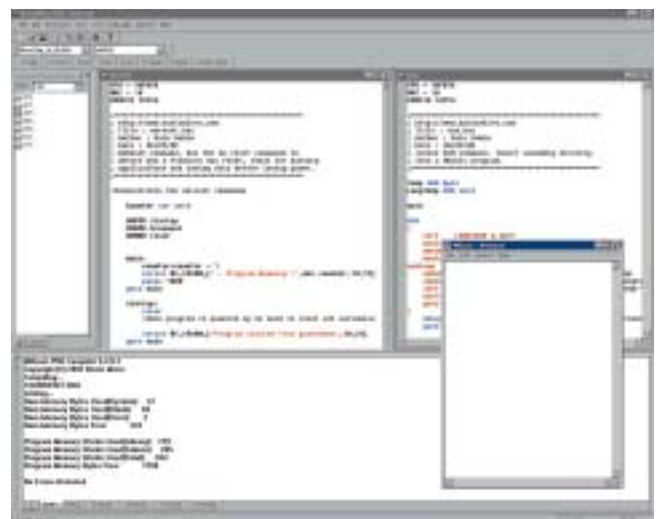


Type	Stock no.	Price/each
GPS-3030DD	69-852-38	210,00 (Ordinary price 335,00)

MBasic Basickompilator

A powerful basic compiler adapted to Microchips single-chip computers. The compiler is easy to use and is suitable for both beginners and experienced users. The software has real time debugger, software oscilloscope, support for 32-bit floating point base and integral number mathematics, support for Dallas single-wire protocol, LCD, hardware-PWM, I²C and hardware-UART. Suitable for most Pic models. The English manual of 260 pages is very accessible and gives thorough explanations of all commands. More information and more programme examples is available on BasicMicro's website.

MBasic Standard contains 41 basic commands that basically are the same as PBasic. You can use existing BasicStamp2-programmes with small or no changes. MBasic Professional contains a further 31 powerful commands for e.g. assembler code in basic programmes, X10, hardware-UART, I²C, Dallas single-wire protocol and advanced motor control.



Type	Stock no.	Price/each
MBasic Standard	73-377-44	106,00
MBasic Professional	73-377-77	214,00

Analogue 20 MHz oscilloscope, incredibly low price

A standard 20 MHz analogue oscilloscope with good sensitivity and clear display. Offer valid through 2003-09-30.

- 20 MHz two channels
- High sensitivity 1 mV/div.
- TV synch.
- Z-input
- ALT trigger function
- Ch 1 output



310,-



Type	Stock no.	Price/each
GOS-620	76-180-44	310,00 (ordinary price 446,00)

The box with soft edges

Teknet is a new handheld box from Teko with a completely new technology. The enclosure is manufactured using a multi-tool that sprays two kinds of plastic at the same time. This makes it possible for the Teknet enclosures to have ABS plastic "in the body" and a softer more rubber-like edge, for a softer feeling in the hand.



Type	LxWxH	Stock no.	Price/each
Without battery compartment			
Box TN11 white	155x96x20,2	50-328-00	13,40
Box TN11 black	155x96x20,2	50-328-18	13,40
Box TN12 white	155x96x24,2	50-328-26	14,00
Box TN12 black	155x96x24,2	50-328-34	14,00
Box TN22 white	155x96x28,2	50-328-42	16,40
Box TN22 black	155x96x28,2	50-328-59	16,40
With battery compartment			
Box TN21B white	155x96x24,2	50-329-09	16,00
Box TN21B black	155x96x24,2	50-329-17	16,00
Box TN22B white	155x96x28,2	50-329-25	18,30
Box TN22B black	155x96x28,2	50-329-33	18,30

New oscilloscopes



Here comes the alternative. GW Instek that is the largest manufacturer of measurement instruments in Taiwan of oscilloscopes and bench type instruments has introduced a very good and high-performance series of compact digital oscilloscopes. The oscilloscopes have a bandwidth of 150 MHz and are available with b/w or colour display. They have a long memory that facilitates analysis of elusive signals, interference and spikes. They may be connected to a computer by the USB port and it is possible to look at the signal in real time on the computer as well, a unique feature. Free software. No communication board is needed, USB interface is available from the start.

Short technical data

2 channels
Bandwidth 150 MHz
125 k long memory
25 GS/s
USB 2.0 for computer connection
Advanced trigger with pulse width, TV-line, single shoot, event delay and time delay.
Four positions, sample, Peak detect, average, accumulate.
Integral FFT analysis.
Auto Setup.
Integral frequency counter
15 automatic measurements
Standard interface. USB, RS-232C, printer port.
5.7" LCD

Model	Stock no.	Price/each
GDS-820S 150 MHz black/white	76-254-11	1 119,00
GDS-820C 150 MHz colour	76-254-29	1 334,00

Box, Tekmar

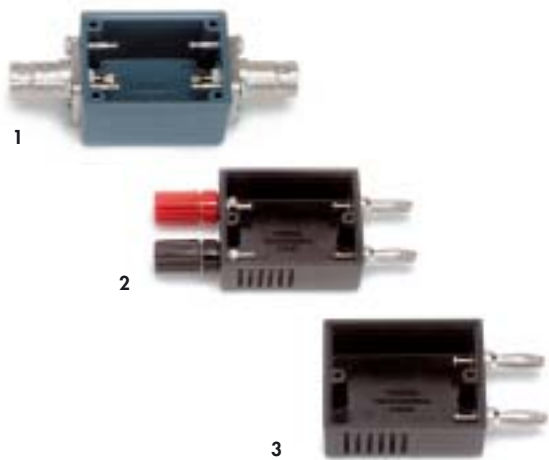
New ABS enclosure with top piece designed with a 1.8 mm recessed surface for keypads or similar. Available in two models where the "S" variant has a sloping top piece like a console case. The enclosure has spacers inside for PCBs. Assembled by 4 screws.



Denomination	LxWxH	Stock no.	Price/each
Box Tekmar F white	130x100x34,2	50-500-00	8,72
Box Tekmar F black	130x100x34,2	50-500-18	8,72
Box Tekmar S white	130x100x50	50-500-26	9,07
Box Tekmar S black	130x100x50	50-500-34	9,07

Box with integral connectors

Boxes made of phenol plastic or aluminium with integral BNC female sockets, pole screws or 4 mm. lab plugs. Well suited as terminal boxes for different kinds of testing or prototype work.



Manufacturer Pomona

Type no.	Fig.	Dim. Mm.	Stock no.	Price/each
Aluminium				
3751	1	38x29x22	46-652-04	34,40
2390		57x29x22	46-652-12	20,90
3602		76x67x42	46-652-20	40,30
Phenol plastic				
2259	2	45x37x17	46-652-38	20,90
2096	3	45x37x17	46-652-46	9,04

Completely round enclosure

Art-Case, round two-piece enclosure in four different designs of the bottom piece and two designs of the top piece. The top piece is mounted by a bayonet fitting and can be locked by a screw. The top piece (F) has a flat recessed surface while top piece (H) is completely smooth. Inside the enclosure has spacers for PCB, and the bottom piece has room for a battery compartment. The enclosure is designed both for table mounting and wall mounting. For accessories see www.elfa.se.



Technical data

Material:	ABS-plast (UL94HB)
Colour:	Off-white (RAL 9002)
Diameter:	110 mm

Type	Top piece	Stock no.	Price/each
Version I (straight bottom piece)			
B50 11 007	F	50-410-09	10,20
B50 11 107	H	50-410-17	10,20
Version II (slightly angled bottom piece)			
B50 11 207	F	50-410-25	10,20
B50 11 307	H	50-410-33	10,20
Version III (30° angle of bottom piece)			
B50 11 407	F	50-410-41	12,00
B50 11 507	H	50-410-58	12,00
Version IV (60° angle of bottom piece)			
B50 11 607	F	50-410-66	12,00
B50 11 707	H	50-410-74	12,00

Push switch frost durable

IFS series. Push switches for panel mounting. Thanks to a moulded button and collar water or damp can not leak in. Large push button with clear feeling. Waterproof and frost protected switch for rough environments. The switch has gold-plated silver contacts. Available in black, green or red.



Manufacturer APEM

Technical data

Breaking capacity:	100mA/50VDC, 1-pole closing
Life:	Electric at full load 500 000
Temp. range:	-20 to +85 °C
Sealed to:	IP67, frost protected
Mounting hole:	Ø 16 mm

Type	Colour	Stock no.	Price/each
IFS3Z1AD200	Black	35-538-07	8,16
IFS3Z1AD300	Green	35-538-56	8,16
IFS3Z1AD600	Red	35-538-23	8,16

Box for alarm

OVO 3 is an ergonomically designed remote control box with one, two or three buttons. The box is assembled with snap fastenings. There is room for a round PCB with a diameter of c. 35 mm. and a button-cell type battery.



Type	No. of buttons	Stock no.	Price/each
OVO 3/1	1	50-129-01	4,83
OVO 3/2	2	50-129-19	4,83
OVO 3/3	3	50-129-27	7,83

Box, OD

Two new terminal boxes for wall mounting, inside there are spacers for PCBs. PCB size 160x76 alt. 180x117. The box is made from polycarbonate (UL94V-2) and is sealed to IP65.



Denomination	LxWxH	Stock no.	Price/each
OD 45	173x89x38	50-312-08	10,40
OD 56	193x130x38	50-312-16	12,70

SFF and SFB fibre optic transceivers

Small Form Factor (SFF) and Small Form Factor Pluggable (SFP) System is an industrial standard for transceivers that are plugged into a shield cage that is soldered onto a PCB in advance. The modular system makes it possible to expand a board with several transceivers or to upgrade to other standard or faster transceivers. The PCB layout is equivalent to RJ45. Single mode transceivers offered on demand.



Type	Connector	Stock no.	Price/each
Gigabit Ethernet multimode SFP			
1382350-1	MT-RJ	75-390-26	96,40
1382392-1	LC	75-390-42	81,90
Gigabit Fibre Channel multimode SFP			
1382349-1	MT-RJ	75-390-18	96,40
1382391-1	LC	75-390-34	81,90
Gigabit 2X Fibre Channel multimode SFP			
1382393-1	LC	75-390-59	90,90
PCB contact surface mounted			
1367073-1		46-930-32	2,13
Screen cage surface mounted, two-part			
1367034-1	Bottom piece	46-930-16	1,68
1367035-1	Upper piece	46-930-24	1,68

Single mode transceivers offered on demand.

Surface mounted rectifier diodes from Taiwan Semi

We now expand the range with 24 types of rectifier diodes in a surface mounted design.



Technical data	
Voltage range:	150 V-1000 V
Current range:	1 A-3 A
Package types:	SMA-SMC



Type	Stock no.	Price per 100				
		1-	25-	100-	850-	1800-
S1D sw.1 A 200 V SMA	70-000-29	23,40	9,34	7,78		4,67
S1G sw.Diode 1 A 400 V SMA	70-000-37	25,40	10,20	8,47		5,08
S1K sw.Diode 1 A 800 V SMA	70-000-45	27,60	11,10	9,19		5,52
S1M sw.Diode1 A 1k V SMA	70-000-52	29,80	11,90	9,92		5,95
S2D sw.Diode1,5 A 200 V SMB	70-000-60	40,80	16,40	13,60	8,16	
S2K sw.Diode 1,5 A 800 V SMB	70-000-78	45,10	18,10	13,60	8,16	
S2M sw.Diode 1,5 A 1kV SMB	70-000-86	48,30	19,30	16,10	9,65	
S3D sw.Diode 3 A 200 V SMC	70-000-94	69,00	27,60	23,00	13,80	
S3G sw.Diode 3 A 400 V SMC	70-001-03	72,10	28,90	24,10	14,50	
S3K sw.Diode 3 A 800 V SMC	70-001-11	75,30	30,20	25,10	15,10	
S3M sw.Diode 3 A 1kV SMC	70-001-29	80,70	32,30	26,90	16,20	
RS1D sw.Diode 1 A 200 V SMA	70-001-37	25,80	10,30	8,57		5,15
RS1G sw.Diode 1 A 400 V SMA	70-001-44	28,00	11,20	9,33		5,60
RS1K sw.Diode 1 A 800 V SMA	70-001-51	30,40	12,20	10,20		6,07
RS1M sw.Diode 1 A 1kV SMA	70-001-69	32,70	13,10	10,90		6,53
HS1D sw.Diode 1 A 200 V SMA	70-001-77	28,20	11,30	9,40		5,64
HS1G sw.Diode 1 A 400 V SMA	70-001-85	29,80	11,92	9,93		5,96
HS1K sw.Diode 1 A 800 V SMA	70-001-93	33,50	13,40	11,20		6,69
HS1M sw.Diode 1 A 1kV SMA	70-002-02	36,00	14,40	12,00		7,19
ES1C sw.Diode 1 A 150 V SMA	70-002-19	37,10	14,90	12,40		7,42
ES1F sw.Diode 1 A 300 V SMA	70-002-27	38,20	15,30	12,80		7,64
ES1G sw.Diode 1 A 400 V SMA	70-002-35	39,30	15,70	13,10		7,85
ES1H sw.Diode 1 A 500 V SMA	70-002-43	40,30	16,20	13,50		8,06
ES1J sw.Diode 1 A 600 V SMA	70-002-50	41,40	16,60	13,90		8,28

For further information see www.elfa.se

New supplier to ELFA: Kingstate

Kingstate is one of the world's leading manufacturers of piezo sirens. Kingstate has a wide range of both buzzer and sirens. Kingstate also manufactures resonators and crystals. See www.elfa.se for further information.

Powerful sirens

KPE-1200 and KPE-1600 are two powerful sirens with pulsating tone. Powered by 12 Vdc and are excellent as alarm sirens in applications like burglar alarms and car alarms.



Technical data		
Sound pressure:	KPE-1200 90 dB	KPE-1600 105 dB
Voltage range:	7-15 VDC	6-16 VDC
Frequency:	1,5-3,5 kHz	2-4 kHz
Size:	57x37x40 mm	diam 54,5x56 mm

Type	Stock no.	Price/each
KPE-1200	37-874-13	13,30
KPE-1600	37-874-21	18,60

Fluke 179/MAG "Combo Kit"

Low-priced combination pack adapted to the needs of industrial electricians. Supplied with Swedish/English/Norwegian/Danish/Finnish manual.

- Fluke 179, TRMS DMM
- TL224, SureGrip™ silicone test leads
- AC220, power-hook clamps
- TP4, 4 mm test probes
- 80BK, temperature probe type K
- C800, hard instrument and accessory case
- Mini-MagLite torch



Type	Stock no.	Price/each
Fluke 179/MAG "Combo Kit"	76-001-90	296,00

Fluke 189/FlukeView "Combo Kit"

Economic combination pack containing an advanced digital multimeter and PC software. Supplied with Swedish/English/Norwegian/Danish/Finnish manual.

- Fluke 189, TRMS DMM with RS232-port and measurement memory
- FlukeViewForms, Windows software with IR-adaptor and cable assembly for PC-port



Type	Stock no.	Price/each
Fluke 189/FlukeView "Combo Kit"	76-002-08	537,00

Flush-mounted Vdc wall dimmer switches

Small flush-mounted wall dimmer switches for boats, caravans and mobile homes, etc. 70 and 140 Watts. Supplied with white frame and button. Accessories include black, brown or chromed frames and wheels. Short-circuit proof and overload protected. CE-approved according to following EMC standard, emission: EN500081-1, EN55015. Immunity: EN50082-2, EN61547.



Technical data		
Input voltage:	BLP 2000-70 10-15 V	BLP 2000-140 10-30 V
Max. load at 12 Vdc:	70 W	140 W

Type	Stock no.	Price/each
Dimmer switch white 12 V 140 W	35-032-08	46,50
Dimmer switch 12 V 70 W	35-032-16	31,80
Single frame black	35-032-24	1,12
Dimmer switch wheel	35-032-32	2,85
Single frame chrome	35-032-40	4,46
Dimmer switch wheel chrome	35-032-57	3,46
Single frame brown	35-032-65	1,12
Dimmer switch wheel brown	35-032-73	2,85

Light wire, a brilliant product

Electric light wires are very suitable as emergency-guide lights in cinemas, theatres, auditoriums and other exposed public places. The 3.2 mm thick wire gives of a homogeneous light and is so flexible that you even can tie it into a knot. Supplied by the meter. For more information about connection see datasheet.



Technical data	
Supply voltage:	20 to 130 Vac
Frequency:	100 to 2000 Hz
Current consumption:	1,90 mA/m at 120 V, 400 Hz
Life:	1000 h at 120 V, 400 Hz

Type	Stock no.	Pris per m			
		1-	5-	10-	25-
Electric light wire blue/green	75-565-17	15,80	13,70	11,50	10,50
Electric light wire yellow	75-565-25	15,80	13,70	11,50	10,50
Electric light wire green	75-565-33	15,80	13,70	11,50	10,50
Electric light wire red	75-565-41	15,80	13,70	11,50	10,50
Electric light wire marine blue	75-565-58	15,80	13,70	11,50	10,50
Electric light wire white	75-565-66	15,80	13,70	11,50	10,50

For suitable voltage converter for the light wire, see stock no. 75-559-49 on www.elfa.se.

Solarum fibre cable assembly

We extend our range with duplex fibre cable assemblies from Tyco Electronics/AMP Netconnect. All are made from halogen-free fibre cable with low smoke emissions.



Type	Length	Stock no.	Price/each
MT-RJ to MTRJ 2x50/125 µm			
0-1206617-1	1,0 m	46-910-02	53,20
0-1206617-3	3,0 m	46-910-10	57,70
0-1206617-5	5,0 m	46-910-28	62,30
MT-RJ to MTRJ 2x62,5/125 µm			
0-1206613-1	1,0 m	46-910-36	53,20
0-1206613-3	3,0 m	46-910-44	57,70
0-1206613-5	5,0 m	46-910-51	62,30
MT-RJ to SC 2x50/125 µm			
0-1206619-1	1,0 m	46-910-69	53,20
0-1206619-3	3,0 m	46-910-77	57,70
0-1206619-5	5,0 m	46-910-85	62,30
MT-RJ to SC 2x62,5/125 µm			
0-1206615-1	1,0 m	46-910-93	53,20
0-1206615-3	3,0 m	46-911-01	57,70
0-1206615-5	5,0 m	46-911-19	62,30
ST to ST 2x50/125 µm			
0-0349561-1	1,0 m	46-911-27	35,00
0-0349561-3	3,0 m	46-911-35	38,10
0-0349561-5	5,0 m	46-911-43	41,30
SC to SC 2x50/125 µm			
0-0349565-1	1,0 m	46-911-50	47,90
0-0349565-3	3,0 m	46-911-68	51,00
0-0349565-5	5,0 m	46-911-76	54,20
SC to ST 2x50/125 µm			
0-0349567-1	1,0 m	46-911-84	43,70
0-0349567-3	3,0 m	46-911-92	46,90
0-0349567-5	5,0 m	46-912-00	50,00

New series of DC to AC converter

Converter for battery operation of normally mains connected equipment like TV, video, lighting etc. in cars, boats or buses.



Technical data

Input voltage: 12 VDC resp. 24 VDC
Output voltage: 230 VAC, modified square wave
Dimensions: 150 W: 165x90x58 mm
300 W: 190x90x58 mm
600 W: 240x90x58 mm

Input voltage	Power	Stock no.	Price/each
12 V	150 W	69-713-03	59,60
24 V	150 W	69-713-11	81,90
12 V	300 W	69-713-29	123,00
24 V	300 W	69-713-37	59,60
12 V	600 W	69-713-45	81,90
24 V	600 W	69-713-52	123,00

Metal look

Trind series. Appliance I silver coloured plastic. Flush type with mounting claws. For mounting in an appliance box. The series contains: Power switches, dimmer switches, electrical outlets, TV&radio outlets and timer. Frames with 1, 2 or 3 compartments. The switches are available in crown, step, double-step, cross and toggle variants. Touch-safe outlets. The dimmer switches are available in transistor and thyristor variants. The TV&radio outlets are through or termination outlets. The timer has 2-poles and is adjustable with fixed times of 15 minutes, 30 minutes, 1, 2, 4, 8 and 16 hours.



Type	Stock no.	Price/each
Wall outlet TRIND 2-V UJ	36-038-00	7,02
Wall outlet TRIND 2-V J	36-038-18	11,80
Crown switch TRIND MX	36-038-26	8,78
Step switch TRIND MX	36-038-34	7,69
Dual step switch TRIND	36-038-42	14,00
Cross switch TRIND	36-038-59	11,80
Illuminated push-button switch TRIND	36-038-67	13,00
Timer, flush mounting 15min-8h TRIND	36-038-75	35,70
Wall outlet TRIND 1-V	36-038-83	7,53
1-compartment frame TRIND	36-039-09	4,90
2-compartment frame TRIND	36-039-17	6,02
3-compartment frame TRIND	36-039-25	6,65
Radio/TV end socket TRIND	36-039-33	12,10
Radio/TV feed-through socket	36-039-41	12,10
Dimmer switch thyristor flush mounting TRIND	36-039-58	38,20
Dimmer thyrist flush mounting TRIND	36-039-66	93,20

Dimmer for fluorescent lamps

Trend series. Control gear for HF units 1–10 V (Fluorescent lamps). White. Flush type with mounting claws. For mounting in appliance box. Flush switch for on/off switching. (250 V, 6 A).



Type	Stock no.	Price/each-	1-	5-	10-
E 19 016 44	36-077-28	64,70	57,70	52,10	

News from Traco Power

Price worthy power supplies for DIN rail



Technical data

Compact design
Adjustable output voltage
PFC (Power Factor Correction)
Power classes: 24, 60 and 120 W
3-year warranty

Type	Description	Connection	Stock no.	Price/each
TCL 024-124	24 V/1 A	Screw block	69-985-87	67,30
TCL 024-124C	24 V/1 A	Cage clamp	69-985-95	65,30
TCL 060-112	12 V/4 A	Screw terminal	69-986-03	92,10
TCL 060-124	24 V/2.5 A	Screw terminal	69-986-11	78,90
TCL 060-112C	12 V/4 A	Cage clamp	69-986-37	86,80
TCL 060-124C	24 V/2.5 A	Cage clamp	69-986-45	74,70
TCL 120-112	12 V/8 A	Screw terminal	69-986-60	153,00
TCL 120-124	24 V/5 A	Screw terminal	69-986-78	143,00
TCL 120-112C	12 V/8 A	Cage clamp	69-986-86	128,00
TCL 120-124C	24 V/5 A	Cage clamp	69-986-94	118,00

Compact mains module for PCB mounting

Open mains module for direct mounting onto a PCB for a cost-efficient solution in applications with low power consumption.



Technical data

Input voltage: 85–264 VAC
Power: 12 W
Dimensions: 65x32x23 mm
Warranty: 3 years

Type	Description	Stock no.	Price/each
TOM 12105	5 VDC/2 A	69-947-19	36,10
TOM 12112	12 VDC/1 A	69-947-27	36,10
TOM 12124	24 VDC/0.5 A	69-947-35	36,10

Encapsulated mains modules 5–30 W

Extensive series of mains modules with over 40 different models in the power class 5–30 W. Available in models with screw block terminal for chassis mounting and also solder connection for PCB mounting. Suitable for space critical applications in industry or consumer electronics.



Technical data

Input voltage: 85–264 VAC
Output voltage: 5, 12, 24, ±5, ±12, ±15, 5±12 or 5±15 VDC
Power class: 5, 10, 15 or 30 W
Warranty: 3 years

For complete table with stock numbers and price, see www.elfa.se. Search for stock no. 69-951-49.

PCI-card

I/O card for PCs with PCI bus. The USB cards are supplied with drive routines for Win 98 SE/ME2000/XP. The parallel port cards also have drive routines for Win 95 and NT 4.0. The Firewire card is not supplied with drive routines but operates with Win 98 SE/ME2000/XP.



Type	Function	Stock no.	Price/each
PCI-1394	3xfirewire	25-164-90	29,10
USB2-200L	USB2.0x2	25-164-66	21,30
USB2-400L	USB2.0x4	25-164-74	31,30
PCI-1284	LPTx1	25-161-77	26,80
PCI-1284-P2	LPTx2	25-161-85	35,80

Minireel again in the range

Minireel is now a part of Tyco, which means that we again can offer you Minireel. The rolls come with a leadtape and are suitable for small series or for completion of a series without any left-over components. Our Minireel range today consists of approximately 650 new products, surface mounted resistors and ceramic capacitors from KOA and KEMET respectively. The resistors are kept in stock in the E24 series. See www.elfa.se for a complete catalogue of types kept in stock.



Surface mounted resistors

Manufacturer KOA

Tolerance: ±1 %

Size	Resistance (ohm)	Stock no.	Price/each
0402	10	60-882-23	13,60
0603	1	60-894-45	13,30
0805	1	60-909-06	14,30
1206	1	60-926-05	17,00



Ceramic capacitors

Manufacturer KEMET

Voltage: 50 Vdc

Size	Capacitance (F)	Dielectric	Stock no.	Price/each
0603	10 p	COG	65-853-27	25,40
0805	10p	COG	65-855-17	29,10
1206	1000p	X7R	65-857-98	41,60

Erem-series

German quality pliers former Xcelite for the electronics industry. Cutting and holding pliers with black anodised heads and riveted box joint. The cutting edges are made from tungsten carbide for long life. Cutting hardness 60 Hrc. Ergonomic shape of the handles made from ESD-safe plastic foam.



Technical data	
Total length:	120 mm
Jaw length:	22,5 mm
Tip dimension:	1,5x2,0 mm

Model	Type	Stock no.	Price/each
EROP174	Flat nose, smooth	80-574-24	25,40



Technical data	
Edge shape:	Double-sided bevel, pointed normally
Total length:	110 mm
Cutting length:	11,0 mm
Cutting capacity:	Copper wire 1.0 mm

Model	Type	Stock no.	Price/each
EROP355	Side cutter	80-574-40	32,30



Manufacturer Erem

Technical data	
Total length:	140 mm
Jaw length:	39,0 mm
Tip dimension:	1,2x1,8 mm

Model	Type	Stock no.	Price/each
EROP277	Flat nose, serrated	80-574-32	25,40



Technical data	
Edge shape:	Double-sided bevel, pointed normally
Total length:	110 mm
Cutting length:	13,5 mm
Cutting capacity:	Copper wire 1.0 mm

Model	Type	Stock no.	Price/each
EROP155	Side cutter	80-574-16	30,10



Technical data	
Edge shape:	Double-sided bevel, pointed normally
Total length:	130 mm
Cutting length:	18,0 mm
Cutting capacity:	Copper wire 2.0 mm

Model	Type	Stock no.	Price/each
EROP419	Side cutter	80-574-57	34,60

Rotating warning light

Type DLH. Rotating warning light for alarm and security systems. Rotates 360 degrees. Can be mounted in any position. Possible to use continuously. Supplied with 35 W halogen lamp. Centred motor, integral fuse. Bottom part and cap made of durable plastic. Supply voltage 24 V DC/AC voltage alt. 230 V AC voltage. Sealed to IP65. Wall mounting available as an accessory.



Manufacturer Comax

Technical data	
Supply voltage:	24 V alt. 230 Vac
Power consumption	
24 V-version:	1,6 A
230 V-version:	0,17 A
Rpm reflector:	180 r.p.m.
Material bottom part:	Polystyrene/polycarbonate (ABS/PC)
Cap:	polycarbonate (PC)
Sealed to:	IP65
Temperature range:	-30 to +60 °C
Dimensions:	Ø 142x216 mm
Weight:	0,7 kg

Type	Voltage	Colour	Stock no.	Price/each 1-	5-
DLH.024.31	24 V	Red	33-782-21	193,00	180,00
DLH.024.33	24 V	Yellow	33-782-47	193,00	180,00
DLH.230.11	230 Vac	Red	33-784-29	219,00	197,00
DLH.230.13	230 Vac	Yellow	33-784-45	219,00	197,00
Wall mounting M-DLH.000.00			33-784-94	32,50	30,50

Motor siren for outdoor use 230 V

Motor siren with very high sound volume. Gives off a continuous signal. Designed for use in alarm and security systems. Weatherproof ABS-plastic cover. Supplied with 1 m connection cable.



Manufacturer Klaxon

Technical data	
Supply voltage:	230 Vac
Power consumption:	1 A
Sound pressure (1 m):	127 dB
Sound frequency:	1680 Hz
Temperature range:	30 to +45 °C
Dimensions:	170x140x113 mm
Weight:	1.8 kg

Type	Stock no.	Stock no. 1-	5-
Super M XSM240	37-756-24	220,00	197,00