

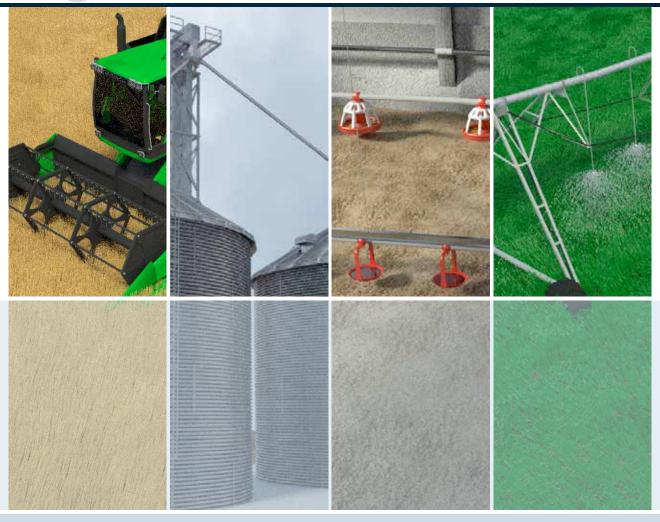




Industrial Automation

Solutions for Agriculture

Acriculture Solutions for



Tractors and agricultural machinery

Silos

Feed distribution systems

Irrigation

ABOUT CARLO GAVAZZI

Carlo Gavazzi Automation is an international group active in designing, manufacturing and marketing electronic equipment targeted at the global markets of industrial and building automation.

Our history is full of firsts and our products are installed in a huge number of applications all over the world. With more than 80 years of successful operation, our experience is unparalleled.

We have our headquarters in Europe and numerous offices around the world.

Our R&D competence centres and production sites are located in Denmark, Italy, Lithuania, Malta and the People's Republic of China.

We operate worldwide through 22 of our own sales companies and also selected representatives in more than 65 countries, from the United States in the West to the Pacific Rim in the East.

Our core competence in automation spans four product lines: Sensors, Switches, Controls and Fieldbuses.

Our wide array of products includes sensors, monitoring relays, timers, energy management system, solid state relays, safety devices and fieldbus systems. We focus our expertise on offering state-of-the-art product solutions in selected market segments.

Our customers include original equipment manufacturers of packaging machines, plasticinjection moulding machines, food and beverage production machines, conveying and material handling equipment, door and entrance control systems, lifts and escalators, as well as heating, ventilation and airconditioning devices.





DESIGNED TO MEET MARKET REQUIREMENTS

Agricultural mechanization has brought major changes to agriculture and eased the burden on farm workers. Advances in tractor technology have made tractors more versatile and suitable for a wider range of farming tasks.

Machinery for ploughing and cultivation have contributed to boosting production.

Special machinery is used to plant seeds and apply fertilizer through mulch at the correct depth.

In irrigation, technologies such as micro sprinklers or drip irrigation that save water and consume less power are the environmentally friendly solutions for now and the future. The global agricultural machinery industry provides more support to smallholders and other farmers with equipment designs and models that suit their needs and those of service providers.

Carlo Gavazzi offers, among other things, a wide range of sensors to measure speed and rotational direction of wheels in farm tractors, harvesting machines etc.

Carlo Gavazzi's capacitive sensors are widely used for level measurements of seed, fodder and liquids in silos and in animal feeding machinery. Ultrasonic sensors are used mainly for level measurements of liquids (e.g. milking machinery).

Reliable irrigation systems are highly important for agricultural production. The well proven Dupline® fieldbus with its up-to-the-minute technology, has become known as an extremely userfriendly and flexible fieldbus able to transmit signals over long distances - features that make Dupline® ideal as a fieldbus for irrigation systems.

Finally – thanks to Carlo Gavazzi's wide product range – most agricultural application challenges can be met by one supplier.

Tractors and agricultural machinery





Inductive	Pick up	Ultrasonic	Limit
sensors	sensors	sensors	switches
ICB	ΡΔ2ΡΚ	UA	PS

Agricultural machinery needs reliable and durable parts and components able to work long hours in difficult outdoor conditions, exposed to every kind of stress. Carlo Gavazzi offers a comprehensive range of components for most applications in agricultural and earth-moving vehicles, from passive magnetic pick-up sensors (PA2PK) to inductive proximity sensors. The pick-up sensors detect and measure the speed of phonic or toothed wheels and generally of any rotating device built in a ferromagnetic material and provided with slots and cogs, for example in engines and in tractors.

Inductive sensors are used for non-

contact measurements - for example to count revolutions of the axle in machinery or to monitor the bucket position in a backhoe loader. Safety and positional mechanical switches in different versions and configurations are also available.

Ultrasonic sensors (UA series) are also used to monitor sprayer heights in self-propelled row-crop sprayers. A particular application of ultrasonic sensors with analog output is the control of the driving direction of the wagons or a motorized chassis equipped with one or more fixed or mobile platforms - for example - for harvesting fruit.





Silos



Capacitive sensors ATEX version	Capacitive sensors	Conductive level controllers / probes	Solid state switches	Energy meters	Timers	
CB32	CA30CA	VS2	RGC	EM23	DAA51	
VC	EC30	CLD	RGS	EM24	DMB51	
		CLH		EM33		



Carlo Gavazzi offers very efficient means for liquid and solid level measurement, both in large silos and in small storage containers.

Our 4th generation TRIPLESHIELDTM capacitive sensors are designed to detect dielectricity of objects as low as 1,5. These sensors have an improved dust and humidity compensation circuit, ensuring safer detection of the grain. The sensors are available with a dust alarm function. The capacitive sensors EC30 are sensors developed for industrial applications. The sensors have a long sensing distance that allows easy detection of dry feed or grains.

The sensing distance is adjusted via a multiturn potentiometer making the

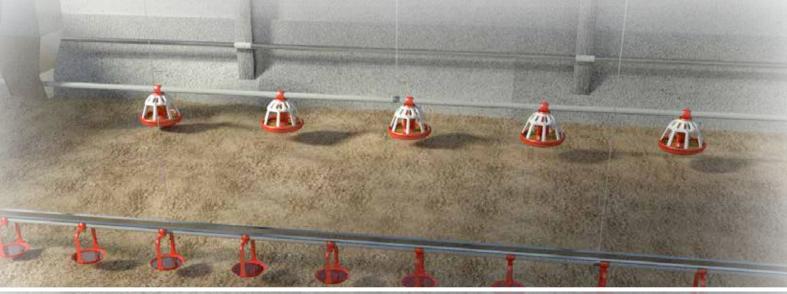
distance settings quite accurate.

With both DC and AC versions available the sensors can be used in most applications.

The VC11/12 sensors are available in multivoltage power supply with relay output and used in many applications for the agriculture business.

The conductive level program by Carlo Gavazzi comprises a complete range of intelligent conductive level controllers for liquids like slurry tanks (CL-series), CLH electrode probes (3 or 5 electrodes) and VS2 level probes (2 electrodes). Various adjustment possibilities enable the controller to perform filling operations, emptying operations or a combination of the two.

Feed distribution systems





Magnetic sensors	Capacitive sensors	Capacitive sensors	Inductive sensors	Photoelectric sensors	Soft starters	Energy meters	Switching power supplies
SA2	CA18	VC	ICB	PA18 / PH18	RSGD	EM23	SPD
CL2		СВ		PC50		EM24	SPPC
		CA30CIN		PD112		FM33	

Feeding distribution systems are critical to the quality and safety of farms with pig, poultry and dairy sectors.

Each part and component therefore plays an important role in maximising processes, saving time and reducing labour costs. In feeding systems is important to feed all chickens at the same time and manual handling is eliminated. The distribution is controlled by sensors (capacitive, photoelectric, colour and contrast sensors), normally combined with solid state relays and soft starters.

Carlo Gavazzi capacitive level sensors (VC series) are excellent for use in the agricultural sector (detection of feed, fluids etc.). Moreover the new VC11/12 sensors are able to directly

drive a contactor or a small motor. They are available with adjustable sensing distances and with/without a built-in time delay. The relay output ensures that the load can be driven directly.

The photoelectric sensors (PC50CNB - PD112) have an high accuracy, background suppression in a reinforced housing and provide a long sensing range together with sensitivity adjustment detecting e.g., pigs or cattle directly. Ultrasonic sensors control the levels in the tanks and monitor emptying to ensure the efficiency of the process. Furthermore, Carlo Gavazzi soft starters (RSGD, RSDR) soft start and soft stop pumps, screw feeders, ventilators as well as chillers (RSBT).





Irrigation





Dupline®
digital I/O
modules

Dupline[®] converters

Conductive level controllers / probes

3-phase centrifugal pump soft starters

Timers

Monitoring relays

GH3440 4412 GH6440 4412 GH3485 0000

CLD CLH RSWT

DAA51 DMB51 DPA51



Traditional irrigation systems are characterized by complex expensive wiring. The Carlo Gavazzi Dupline® irrigation bus reduces installation costs and increases flexibility in agricultural irrigation systems, where the valves are usually distributed over a large area. Any type of irrigation controller, whether it is a PLC, PC or dedicated controller, can use Dupline® as a remote I/O system. The wiring topology is completely free, with no limitation to the number and length of branches. The Dupline® Fieldbus is the ideal system to control levels, monitor pumps and activate valves over a large area and from a distance.

In centrifugal pump applications the

softstarter RSWT series represent a plug and play solution to easily replace start-delta starters and contactors. This soft starter only requires 1 setting for the ramp-up and ramp down time for the pump. All the rest is taken care of by the RSWT self-learning algorithm that is active during every start and makes sure that the pump is started within the set time, whilst optimising the pump starts and stops.

The Carlo Gavazzi product range includes a variety of automation components suitable for use in irrigation, landscaping and greenhouses: monitoring relays, inductive, capacitive and ultrasonic sensors, digital panel meters and energy meters

Capacitive Capacitive Capacitive sensors sensors sensors



CA30CAN/CAF

- Dimensions: M30
- Adjustable sensing distance: 2-20 mm flush or 4-30 mm non-flush
- Thermoplastic polyester housing
- Sensing face can withstand temperatures up to 120°C
- Protection: short circuit, transient and reverse polarity
- Approvals/Marks: CE, cULus, Ecolab

MAIN FEATURES

- Dust and humidity compensation
- Dust and temperature alarm outputs
- Increased temperature stability



CA30CLN

- Level sensor for solid, fluid or granulated substances
- Dimensions: M30
- Adjustable sensing distance: 4-12 mm
- Thermoplastic polyester housing
 Multi voltage supply20.4 to 255 VAC/DC
- Approvals/Marks: CE, cULus

MAIN FEATURES

- Available with/without buil-in time delayDust and humidity compensation
- Rear side with integrated trimmer shaft
- · Laser printing of main specifications on the sensor surface



VC11/12

- Capacitive level sensors for solid, fluid or granulated substances
- Dimensions: Ø32
- Adjustable sensing distance: 4 12 mm
- Multivoltage supply: 20.4 to 255 VAC/DC
- Approvals/Marks: CE cULus

MAIN FEATURES

- New back-part with integrated trimmer shafts
- SPDT relay output
- Time delay on operate or release

Capacitive	Capacitive	Capacitive
sensors	sensors	sensors



CB32

- · Capacitive level sensors for solid, fluid or granulated substances
- Dimensions: Ø32
- Adjustable sensing distance: 4 20 mm
- Protection transients and reverse polarity
- Featuring TRIPLESHIELD™ sensor protection
- Approvals/Marks: CE

MAIN FEATURES

- · Approved acc. to ATEX directive operation in potential explosive dusty
- Relay output
- With or without adjustable time delay



CA18CLF

- Sensing distance: 0.5 12 mm (M18)
- Automatic detection of NPN or PNP load
- Selectable "make or break" switching by means of Teach function
- Approvals/Marks: CE UL CSA

- **MAIN FEATURES** Teach-in of sensing distance via push-button or COM-input
- Humidity compensation
- Protection: short-circuit, transients and reverse polarity



EC30

- Dimensions: M30
- TRIPLESHIELD™ sensor protection
- Plastic housing, AC versions
- Sensing distance up to 25 mm
- Approvals/Marks: CE UL CSA

- Detection of e.g., corn or feed
- Sensing face can withstand temperatures up to 120°C
- Protection: short circuit, transient and reverse polarity



Our product range

Pick up	Ultrasonic	Conductive level
sensors	sensors	controllers / probes



PA2PK

- Dimensions: diameter M20 x 1.5 length 60, 70, 107 mm
- Pulse output function
- Cylindrical nylon with 30% glass fibre
- Protection degree IP65
- Approvals/Marks: CE

MAIN FEATURES

- AMP connector Superseal
- Suitable for applications where the measurement of gear speed is required.
- Operating frequency > 100 Hz



UA12 /UA18 /UA30

- Up to 6 m sensing distance
- Analogue output 4-20 mA or 0-10 VDC
- Switching output with two setpoints
- M12, M18 or M30 cersions
- Housing material: plastic or AISI316L Stainless Steel
- Approvals/Marks: CE cULus

MAIN FEATURES

- Excellent EMC performance and precision
- Detects clear, transparent and shiny targets, solid objects, liquid or granules.
- Protection: short circuit, transient and reverse polarity



CLD / CLP / CLH

- Multiple filling and emptying applications
- Rated operational voltage: 24 VAC/DC, 115 VAC or 230 VAC or 24-240 VAC/DC
- Output can be 1 or 2 x 8 A / 250 VAC
- Flexible conductive level probe CLH (up to 5 electrodes),
 SV2 with 2 electrodes

MAIN FEATURES

- Easy installation on DIN-rails or with 11 pin circular plug
- Sensitivity adjustment from 250 Ω to 500 K Ω
- 17.5 mm or 35.5 mm width housing is available
- Multivoltage power supply is available

Photoelectric Photoelectric Photoelectric sensors sensors sensors



PC50

- Dimensions: 17 x 50 x 50 mm
- Power supply: 112 240 VDC / 24 240 VAC
- Output SPDT 3 A relay output
- Diffuse reflective, retro-reflective and through beam versions

MAIN FEATURES

 Visible polarized light or Infrared versions and long range diffuse reflection



PA18

- Standard M18 cylindrical housing
- Power supply: 10 to 30 VDC
- Separate models available for NPN or PNP outputs
- Range: 1 m (Axial), 0.8 m (Radial)
- Sensitivity adjustment by potentiometer
- Approvals/Marks: CE cULus

MAIN FEATURES

- IP69K / ECOLAB approved / CE marking / cULus approved acc. to UL508
- Diagnostic LED indication (Green and Yellow LED)
- Short-circuit, reverse polarity and overload protection



PH18

- Square sensor with M18 front
- Power supply: 10 to 30 VDC
- Separate models available for NPN or PNP outputs
- Sensing types: Diffuse reflective, BGS, Pol. Retroreflective, Through beam
- Sensitivity adjusted by potentiometer
- Approvals/Marks: CE cULus

- IP69K / ECOLAB approved / CE-marking / cULus approved acc. to UL508
- Diagnostic LED indication (Green and yellow LED)
- Short circuit, reverse polarity and overload protected

Inductive Magnetic 1-phase solid state switches sensors sensors



ICB12 / ICB18 / ICB30

- M12, M18 and M30 Nickel-brass housing in short or long barrel lengths
- Standard and double distance sensing ranges
- Output functions: NO or NC, NPN or PNP
 Two metres oil resistant PVC cable or M12 plug version
- Protection: reverse polarity, short circuit, transients
- Approvals/Marks: CE cULus

MAIN FEATURES

- · High precision and programmable outputs thanks to microprocessor technology
- Eco-friendly potting material made from recycled corn by-product
- Improved design for highest reliability and resistance to vibration and impacts



S series

- Type: rectangular plastic housing
- Dimensions: 79 x 21.2 x 11.5 mm
- Side operated
- Operating temperature -25°C to 75°C
- Protection degree IP67

MAIN FEATURES

- Several operating distances thanks to wide range of magnetic units (CL series)
- Easy and fast mounting





RGS1 / RGC1

- Product width: 17.5 mm up to 70 mm, DIN-rail or panel
- Ratings: up to 660 VAC, 90 AAC, 18000 A²s
- Integrated output overvoltage protection
- Control input ranges: 4-32 VDC, 20-275 VAC (24-190 VDC)
- Approvals/Marks: CE cULus (RGC), cURus (RGS), CSA (RGS), VDE - GL (RGC up to 30 AAC)

MAIN FEATURES

- Integrated heatsink (RGC), without heatsink (RGS)
- 100 kA short circuit current rating
- Optional over temperature protection (RGC)

3-phase centrifugal pump soft starters

3-phase scroll compressor soft starters

3-phase 22 kW general purpose soft starters



RSWT

- . Motor rating: Up to 11 kW (25 A) in 45 mm wide
- 3-phase controlled & internally bypassed
- Ramp-up/Ramp-down time: up to 20sec
- Operational voltage: RSWT40: 220 400 VAC, RSWT60: 220 - 600 VAC

RSBD / RSBT

- Enhanced current reduction capability with patented auto-adpative algorithm
- Motor rating: 3-phase up to 45 kW @ 400 V
- Integrated diagnostic functions
- 2- and 3-phase controlled solutions
- Approvals/Marks: cUL listed



RSGD

- Motor rating: up to 22 kW in 45 mm
- Ramp up time: 1 20 s
- Internally bypassed
- Multi-voltage operation: RSGD40: 220 - 400 VAC RSGD60: 220 - 600 VAC
- Wide control voltage range: RSGD40: Option E: 110 - 400 VAC, Option F: 24 VAC/DC RSGD60: Option G: 100 - 240 VAC

MAIN FEATURES

- Easy to use and setup
- Self-learning algorithm to improve pump starts/stops
- Integrated overload protection (Class 10)

MAIN FEATURES

- Plug and play: no user settings required
- Typically > 50% scroll compressor inrush current reduction
- Internally bypassed and internally supplied

- Easy to use and setup
- Current balancing algorithm
- Auxiliary relays for top of ramp and alarms
- Optional fan for additional starts per hour (for 37/45 Amp models only)



Our product range

soft starters relay relays	3-phase general purpose Monito soft starters rela	
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RSDR

- Motor rating: Up to 500 kW @400 V
- Ramp up time: 0.5 30s
- Internally bypassed
- Simple user interface
- Approvals/Marks: UL

MAIN FEATURES

- Multi voltage operation: 230-460 VAC, 50/60 Hz
- Auxiliary relays for top of ramp and alarms
- Robust metal housing



DPA51

- Dimensions: 81 x 17.5 x 67.2 mm DIN-rail housing
- Phase sequence and loss relay
- 3-phase AC (own power supply); regenerated voltage
- Power supply from 208 to 480 VAC
 Approvals/Marks: CE UL CSA CCC approved

MAIN FEATURES

- Protection from reverse running and phase loss
- 17.5 mm width: the smallest in the market
- Plug and play: no settings needed



DIA53

- Dimensions: 81 x 17.5 x 67.2 mm DIN-rail housing with 12 mm hole for current measurement
- Current monitoring relay with built-in current transformer
- 20, 50 or 100 A full scale
- Self powered
- Approvals/Marks: UL CSA CCC approved

MAIN FEATURES

- 2-wire connection
- Knob adjustable setpoint
- Integrated solid state NPN PNP output

Monitoring	Monitoring	Current
relay	relays	transformer
leidy	leidys	iransionnei



DPB51

- Dimensions: 81 x 17.5 x 67.2 mm DIN-rail housing
- TRMS 3-phase over/under voltage, phase sequence and
- 3-phase AC (own power supply); regenerated voltage
- Power supply 208 to 480 VAC
- Approvals/Marks: UL CSA approved



DIB02 /PIB02

- Dimensions: 22.5 mm for DIN-rail (DIB) or 35.5 mm for plug in (PIB)
- Overcurrent or undercurrent detection
- DC current measurement by means of external Shunt
- Power supply 115/230 VAC, 24/48 VAC, 24 VDC, 48 VDC
- · Adjustable time delay



E83-2050

- DIN-rail or surface mounting 22.5 mm Euronorm housing with 12 mm hole for current measurement
- AC current transformer with 4-20 mADC secondary
- 1-phase AC current measurement
- Power supply from 10 to 40 VDC
- Approvals/Marks: UL approved

MAIN FEATURES

- Detects the phase-phase or phase-neutral voltage
- 17.5 mm width: the smallest in the market
- Independent voltage setpoints and built-in delays

MAIN FEATURES

- Motors protection from Overload
- DC or AC current measurement
- 3-phase overcurrent measurement with MP3 CT

- 7 knob selectable ranges from 5 to 50 AAC
- Easy interface to PLC or monitoring relays

Current	T:	T:
transformers	Timers	Timers



CTD / TADK

- CTD: currents from 40 to 4000 A
- TADK2: 1 250 A
- Removable panel fixing clips
- DIN-rail and panel mounting facility
- Double screw terminals (CTD)
- Sealable covers
- Case: ABS, self-extinguishing level UL 94 V-0
- Accuracy class: 0.5

MAIN FEATURES

- Wound primary / solid core or split-core
- Compliance with IEC 60185, VDE 0414-1 regulations
- Removable DIN-rail mounting holder



DAA51 / DMB51

- Dimensions: 81 x 17.5 x 67.2 mm DIN-rail housing
- Delay on operate function (DAA), multifunction (DMB)
- Combined AC and DC power supply
- Repeatability: < 0.2%
- Approvals/Marks: UL CSA RINA



FMB01 / FAA

- Dimensions: 48 x 48 mm housing for 11 pin socket or panel mounting
- Multifunction timer with 7 functions
- DPDT output
- Universal power supply
- Approvals/Marks: cUR CSA

MAIN FEATURES

- Delay on operate/release; interval (manual/automatic start)
- Double interval; symmetrical recycler (ON or OFF first)
- Timing range from 0.1s to 100h

MAIN FEATURES

- Front knob adjustable time setting
- Selectable time ranges from 0.05 s to 300 h
- Delay on operate/release, ON/OFF first symmetrical recycle, single/double interval on trigger open/close

Power Energy Energy transducers meters analysers



CPT

- Dimensions: 83.5 x 45 x 98.5 mm DIN-rail housing
- Accuracy 0.5 % (voltage, current)
- Measurement by CT and VT
- Front protection degree IP20
- Analogue, digital, pulse or serial outputs available

135M037 0 -385

EM23 / EM33

- 3-phase energy meter with direct connection
- Direct connection up to 32 A (EM33) or 65 A (EM23)
- Dimensions: 4-DIN-rail module housings
- Class 1 (kWh) acc. to EN62053-1
- Serial RS485 or open collector (EM23) output



EM24

- 3-phase energy meter with direct connection
- Direct connection up to 65 A or by CT
- Dimensions: 4-DIN-rail module housings
- Class 1 (kWh) acc. to EN62053-1
- Pulse open collector output
- Modbus or M-bus communication port

MAIN FEATURES

- Very compact size power transducer
- Provides electrical variables set to a PLC to manage compressors and other loads
- Suitable for on-board panel installation

MAIN FEATURES

- Direct measurement in a very compact housing to save space
- Allows local energy allocation for cost allocation purposes
- On request, MID annex D certification available

- Direct measurement in a very compact housing to save space
- Suitable for measuring generated and consumed energy
- On request, MID annex D certification available
- M-bus port integrated in the meter without external gateways



Our product range

Dupline® Dupline® Dupline® Dupline® digital I/O modules valve control converters



GH3440 4412

- Module for controlling 3-wire latching valves
- 2 outputs to open and close valve
- 2 inputs for e.g., pulse counting, tamper switch or status feedback
- Supplied by bus no external power needed
- Valve closes in case of bus fault



GH6440 4412

- Module for controlling 3-wire latching valves
- 2 outputs for open and close valve
- 2 inputs for e.g. pulse counting, tamper switch or status feedback
- Built in charge capacitor, gas arrestor and microcontroller



GH34850000

- Generates 28 V Hi-Line signal
- Supplies and controls up to 64 valve I/O modules over two wires
- LED-indications for Dupline[®] carrier, Hi-Line carrier and supply

MAIN FEATURES

- Built-in microcontroller for correct coil-pulsing and charge monitoring
- Valve closes in case of bus fault

MAIN FEATURES

- Can be buried in the ground at the actual valve position
- Supplied by bus no external power needed

MAIN FEATURES

- Built-in Gas-arrestor for lightning protection
- Up to 7 km transmission distance

Dupline [®]	Switching	Switching
Dobinie	Swiiching	Swiiching
test unit	power supplies	power supplies
1031 01111	power soppiios	potroi soppiios



GHTU8

- Portable test unit
- 12 key tactile keyboard
- Dual group reading
- Analog BCD reading

SPD

- DIN-rail housing
- Short circuit protection
- 1-phase AC
- Rated input voltage: 115/230 VAC selectable 100/240 VAC
- Approvals/Marks: UL cUL listed TÜV CE



SPPC: Enclosed type 25 W...75 W

- Miniature size
- Universal AC input range
- No load power consumption <0.5 W
- Output protections: OLP/OVP/SCP
- PCB soldering side with conformal coating

MAIN FEATURES

- Monitoring of Hi-line channel status with LCD display
- Designed as part of the Dupline irrigation concept

MAIN FEATURES

- Overload protection
- Parallel versions available
- High efficiency

- Long life, and high power density, efficiency and reliability
- Wide operating ambient temperature (-25°C~70°C)
- Operating altitude up to 5000 m.

Switching power supplies

Switching power supplies

Limit switches



SPPC: Enclosed type 150 W...320 W

- Compact size: 199 x 99 x 50 mm all types
- (only SPPC: 150 W 199 x 98 x 38 mm SPPC 150 W PFC: 194 x 99 x 50 mm)
- Universal AC input
- Built-in active PFC (Power Factor Protection), PF>0.95.
- Built-in cooling fan speed control (not the 150 W type).
- Output protections: SCP/OLP/OPP.
- PCB soldering side with conformal coating

SPPC: Enclosed type 480 W...800 W

- Dimensions: 218 x 116.5 x 41 mm
- Universal AC input/ Full range.
- Built-in active PFC function, PF>0.96.
- Output protection: OVP/OLP/SCP/OPP/OTP.
- Built in AC inrush current limiting circuit (<20 A).
- Built in Remote Sense Function.



PS

- Material: plastic, metal
- Horizontal / vertical control available
- Minimum actuation force / torque
- Approvals/Marks: CE UL CSA

MAIN FEATURES

- 105°C long life electrolytic capacitor
- Wide operating ambient temperature (-25°C~70°C).
- Operating altitude up to 5,000 m

MAIN FEATURES

- Built in fan speed control and over temperature protection
- Wide operating ambient temperature (-30°C~70°C)
- Build in DC OK signal.

- Mechanical life > 15,000,000 cycles
- Precise operating point



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OUR COMPETENCE CENTRES AND PRODUCTION SITES

DENMARK - Carlo Gavazzi Industri A/S

CHINA - Carlo Gavazzi Automation

(Kunshan) Co., Ltd. Kunshan **MALTA** - Carlo Gavazzi Ltd Zeitun ITALY - Carlo Gavazzi Controls SpA Belluno LITHUANIA - Uab Carlo Gavazzi Industri Kaunas

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