

Main characteristics

- PLC + HMI in one product
- Integrated Ethernet port
- Wide availability of communication ports
- A single programming environment

Main applications

- Climatic chambers
- Autoclaves
- Plastic Dryers
- Washing machines
- Packaging
- Laboratory Extruders

PROFILE

The integrated Controller and Operator Panel allows the complete management of automation. Available in 3 versions (35CT 3,5" color touch; 70CT 7" color touch for horizontal installation; V70CT 7" color touch for vertical installation), and equipped with a powerful 400 MHz processor.

It is destined mainly to operate in an industrial environment on the control panels of production process machines or processes.

The operator interacts through a colour touch screen. Depending on the model, the size of the screen is 3.5" or 7" wide.

As an option, the device can be equipped with programmable function buttons.

Thanks to its numerous communication ports (some of which are optional), it is possible to connect a wide range of devices to the controller, such as computers, barcode readers, USB sticks, modems, printers, etc., and connect it to an Ethernet network.

The remote input and output modules (CAN-IO/GILOGIK II) are connected by bus to the CAN port (CANopen). Other CANopen standard compliant devices can also be connected to the bus.

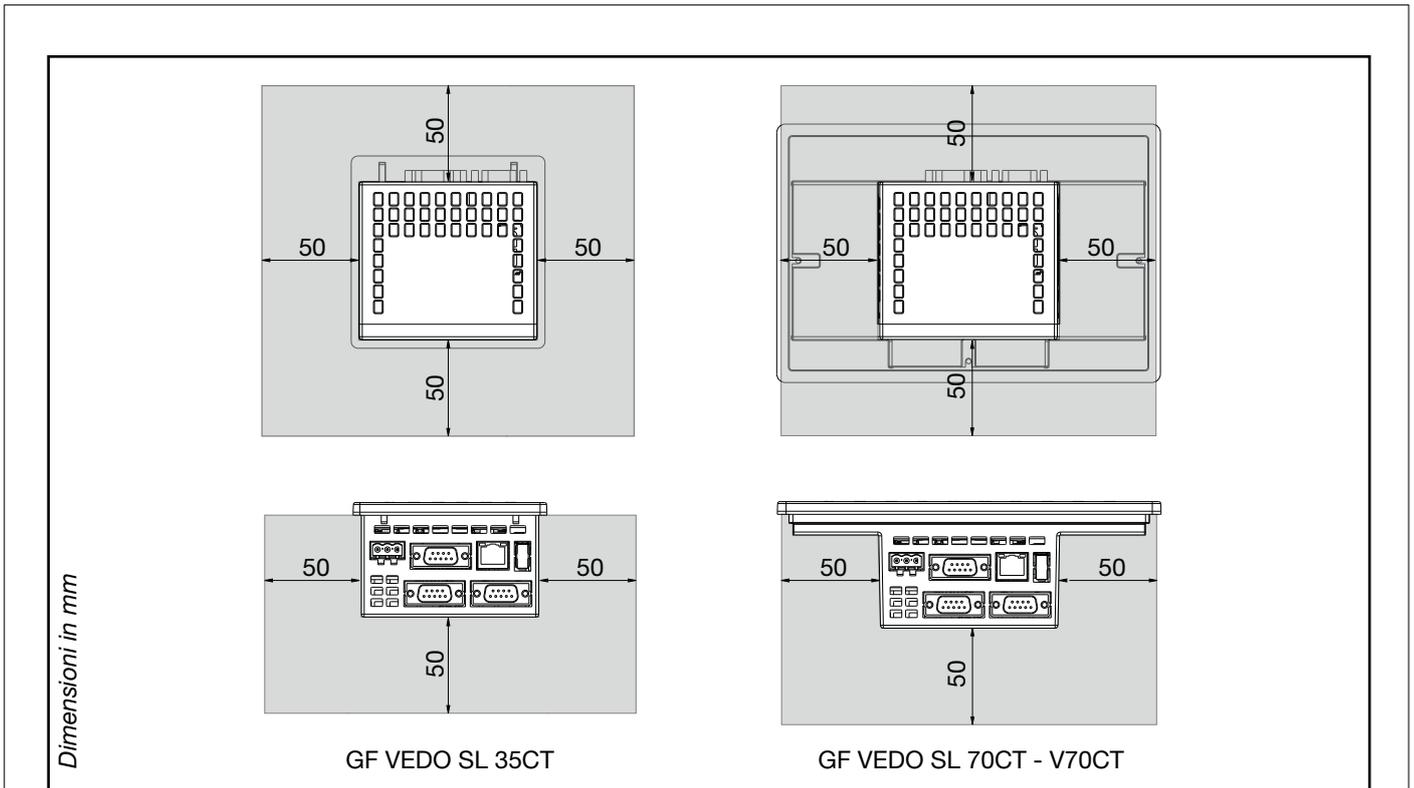
TECHNICAL DATA

| | | 35CT | 70CT-V70CT | |
|---------------------------------|------------------------------|---|----------------------------------|---------------|
| POWER | Operating voltage | 24 Vdc \pm 25% | | |
| | Absorbed current (at 24 Vdc) | 300 mA max | 350 mA max | |
| | Dissipated power | 7.5 W max | 8.5 W max | |
| | Protections | Protection for polarity inversion Short circuit | | |
| | Connection | 3-pole polarised extractable connector Screw terminals, max wire section 2,5 mm ² | | |
| BACK-UP BATTERY | Type | Rechargeable Li-Al 3 V 65 mA/h, type ML2032, non-replaceable | | |
| | Duration | 10 years in absence of power: 20 months | | |
| CONNECTIONS | CAN port | Opto-isolated Connector: DB9 M Speed: 10 kbit/s ... 1 Mbit/s Termination: to be managed externally | | |
| | Ethernet port (ETH) | Connector: RJ45 Speed: 10 / 100 Mbit/s Signals: green connection LED, yellow data LED | | |
| | RS-485 port (optional) | Opto-isolated Connector: DB9 M Speed: 9.6 kbit/s ... 115 kbit/s | | |
| | RS-232 port (optional) | Connector: DB9 M Speed: 9.6 kbit/s ... 115 kbit/s | | |
| | USB port (optional) | Connector: type A Standard: USB 2.0 | | |
| COMMUNICATIONS PROTOCOLS | Ethernet | FTP (File Transfer Protocol) Modbus TCP/IP Master/Slave | | |
| | CAN | CANopen Master | | |
| | Modbus | Modbus RTU Master/Slave | | |
| DISPLAY | Type | TFT touch screen with 4-wires resistive technology | | |
| | Dimensions (diagonal) | 3.5" | 7" horizontal | 7" vertical |
| | Resolution in pixels | 320 x 240 (QVGA) | 800x480(WVGA) | 480x800(WVGA) |
| | Display area (L x H) | 70 x 52.5 mm | 152.4x91.4mm | 91.4x152.4mm |
| | Colours | 262.000 | | |
| | Brightness | 400 cd/m ² | 240 cd/m ² | |
| | Contrast | 400:1 | 1000:1 | |
| | Backlighting | White LEDs, duration 50.000 hours @ 25 °C | | |
| | Visual angle | Horizontal: 60° Vertical: 45°-60° | 85° in all directions | |
| CONFIGURATION ELEMENTS | Procedure software access | 16-position dial | | |
| CONTROL ELEMENTS | Keypad (optional) | 6 programmable function buttons | 10 programmable function buttons | |
| MICROPROCESSOR | Type | ARM9 | | |
| | Frequency | 400MHz | | |
| MEMORY | Sistem | 64 MB, type SDRAM • 12 MB HMI application • 2.5 MB PLC applicative | | |
| | Retentive | • 32 kB retentive variables (FLASH / FRAM) • 1 MB data logger (FLASH) | | |
| | Mass | 128 MB, type FLASH • 32 MB for user | | |
| | Mass extension | Slot SD Card (optional) | | |

TECHNICAL DATA

| | | 35CT | 70CT-V70CT |
|--------------------------|--|--|------------|
| ENVIRONMENTAL CONDITIONS | Operative temperature | 0 ... +50 °C (according to IEC 68-2-14) | |
| | Storage temperature | -20 ... +70 °C (according to IEC 68-2-14) | |
| | Relative humidity | max 95% RH non condensing (according to IEC 68-2-3) | |
| ASSEMBLY | | Embedded, in control panels | |
| DEGREE OF PROTECTION | | IP 65 on the front (according to IEC 68-2-3) | |
| WEIGHT | | 0.25 kg | 0.5 kg |
| CE STANDARDS | EMC conformity (electromagnetic compatibility) | Observance of directive 2004/108/CE EMC Emission: EN 61000-6-4 EMC Immunity: EN 61131-2, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11 | |
| | LV conformity (low voltage) | Observance of 2006/95/CE Safety LVD: EN 61010-1 | |

Dimensions



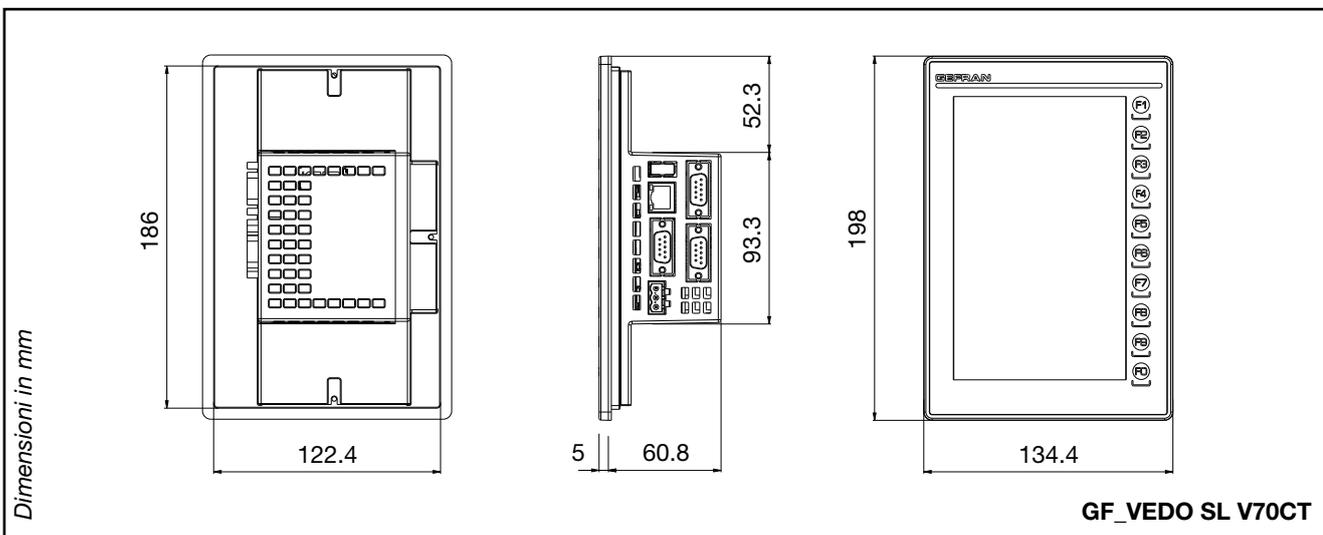
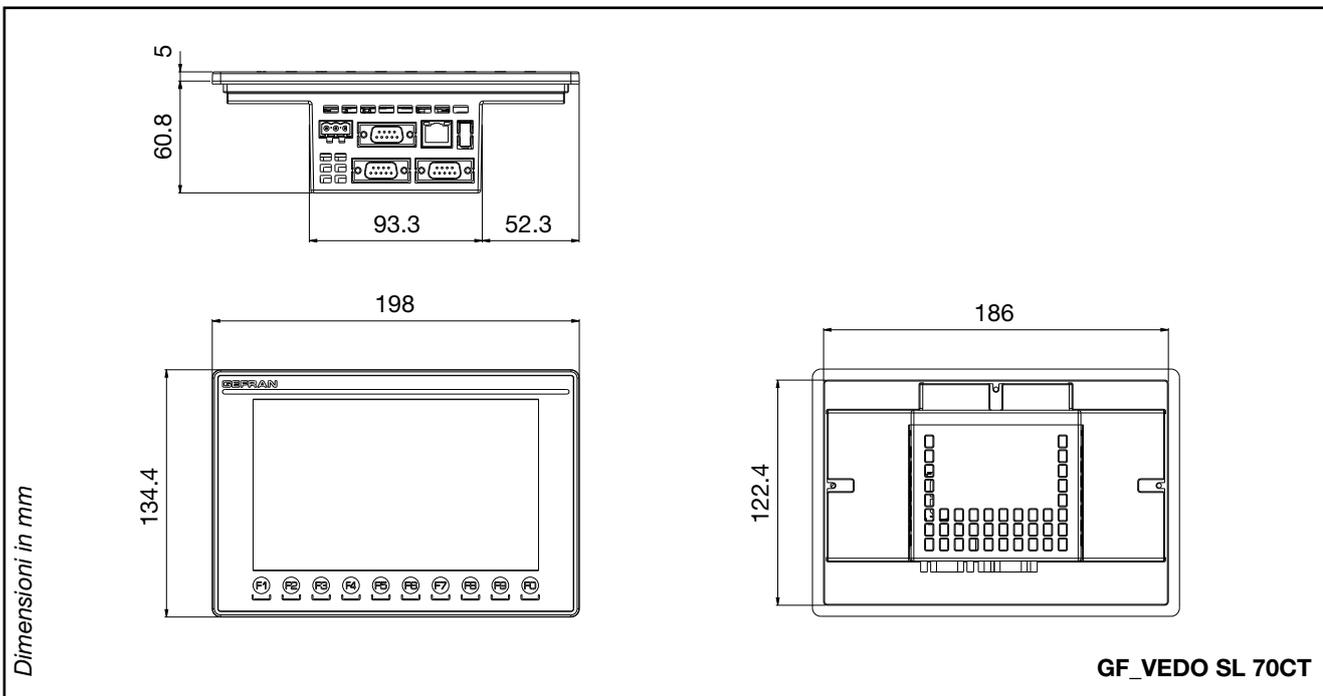
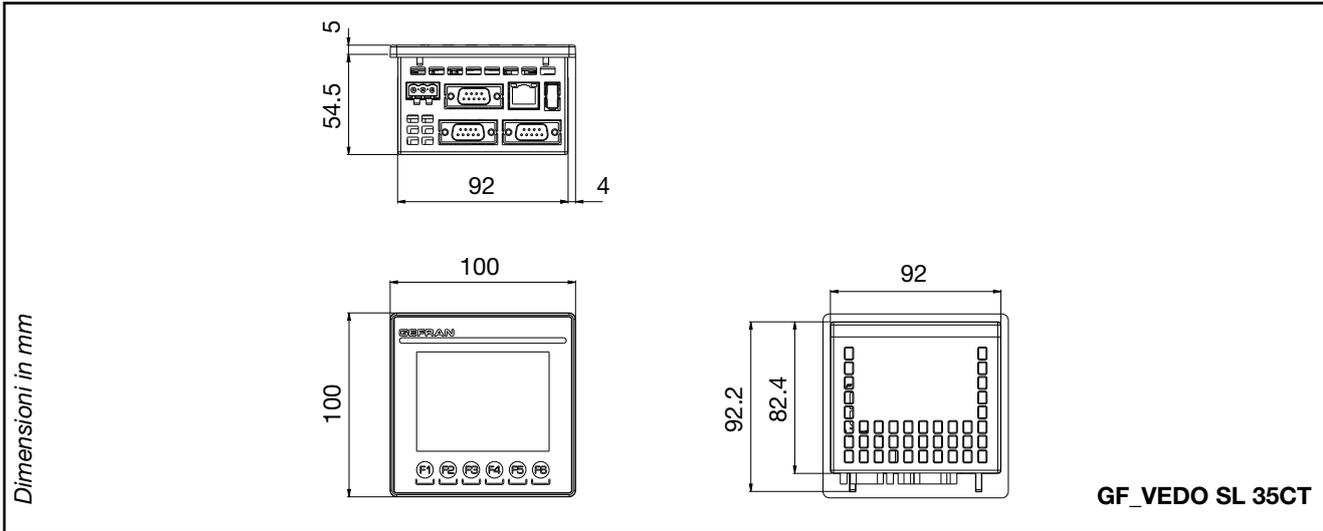
Free spaces for ventilation



Attention: the temperature inside the compartment that houses the integrated Controller and Operator Panel must never exceed 50 °C.

The free spaces highlighted in grey are those recommended with static ventilation.
With forced ventilation these spaces can be reduced even further.

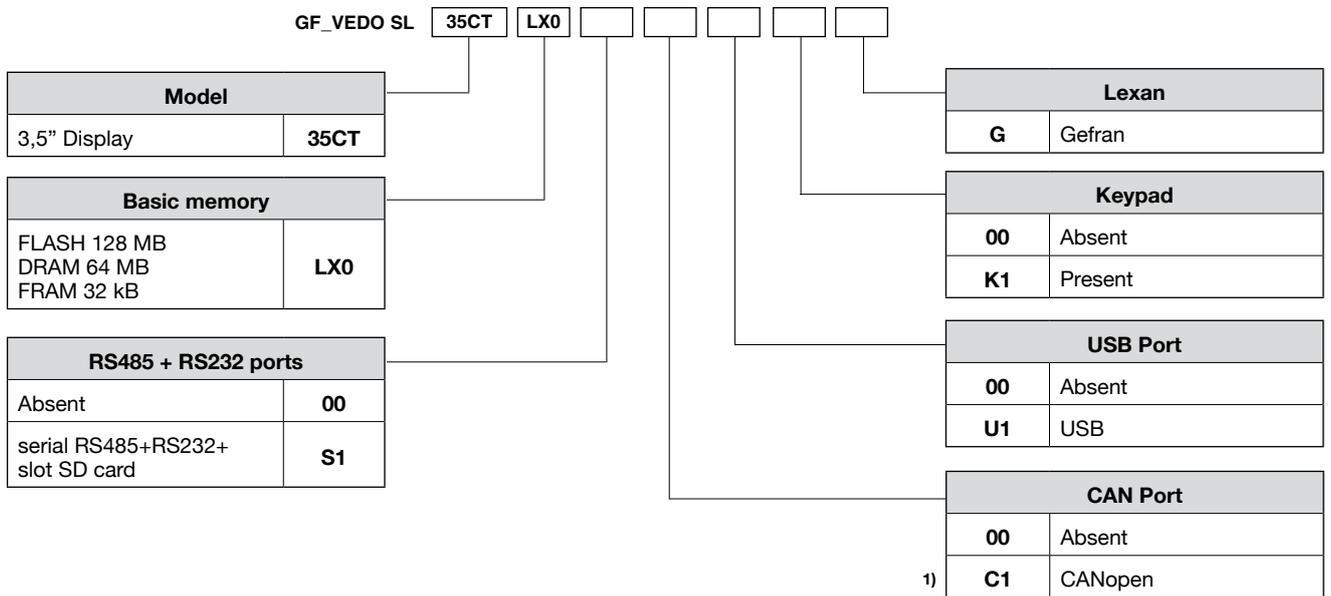
Dimensions



ORDERING CODE

Integrated Controller and Operator Panel

Create the codes to suit the device configuration required



(1) Mandatory port for use with remote IO

GEFRAN spa reserves the right to make aesthetic and/or functional changes at any time and without notice.

GF_VEDO SL 35CT color touch

| Model | Description | Code |
|-----------------------------------|---|---------|
| GF_VEDO SL 35CT LX0 00 00 00 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection | F055183 |
| GF_VEDO SL 35CT LX0 00 00 U1 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port and USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection. | F055185 |
| GF_VEDO SL 35CT LX0 S1 00 00 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection | F056398 |
| GF_VEDO SL 35CT LX0 00 C1 00 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port and CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection | F056879 |
| GF_VEDO SL 35CT LX0 S1 C1 00 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port, CAN port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection | F056880 |
| GF_VEDO SL 35CT LX0 S1 00 U1 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port, USB port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection | F056882 |
| GF_VEDO SL 35CT LX0 00 C1 U1 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, CAN port and USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection | F054747 |
| GF_VEDO SL 35CT LX0 S1 C1 U1 00 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port, CAN port, USB port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection | F055906 |

GF_VEDO SL 35CT color touch with 6 programmable function keys

| Model | Description | Code |
|-----------------------------------|---|---------|
| GF_VEDO SL 35CT LX0 00 00 00 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F055184 |
| GF_VEDO SL 35CT LX0 00 00 U1 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port and USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F056866 |
| GF_VEDO SL 35CT LX0 S1 00 00 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F056862 |
| GF_VEDO SL 35CT LX0 00 C1 00 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port and CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F056867 |
| GF_VEDO SL 35CT LX0 S1 C1 00 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port, CAN port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F056868 |
| GF_VEDO SL 35CT LX0 S1 00 U1 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port, USB port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F056429 |
| GF_VEDO SL 35CT LX0 00 C1 U1 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, CAN port and USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery , IP65 front panel protection, 6 programmable function keys [F1...F6] | F054746 |
| GF_VEDO SL 35CT LX0 S1 C1 U1 K1 G | GF_VEDO SL 35CT Integrated unit for the complete management of the machine and process automation. 3.5" TFT color display, 262K colors, resolution 320x240 pixels QVGA, analog and resistive touch screen, Built-in Ethernet port, RS485 port, RS232 port, CAN port, USB port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, 6 programmable function keys [F1...F6] | F054745 |

ORDERING CODE

Integrated Controller and Operator Panel

Create the codes to suit the device configuration required

GF_VEDO SL 70CT LX0

| Model | |
|-----------------------|------|
| 7" Horizontal Display | 70CT |

| Basic memory | |
|--|-----|
| FLASH 128 MB DRAM 64 MB FRAM 32 kB | LX0 |

| RS485 + RS232 ports | |
|-------------------------------------|----|
| Absent | 00 |
| serial RS485+RS232+ slot SD card | S1 |

| Faceplate | |
|-----------|---------|
| G | Gefran |
| N | Neutral |

| Keypad | |
|--------|---------|
| 00 | Absent |
| K1 | Present |

| USB Port | |
|----------|--------|
| 00 | Absent |
| U1 | USB |

| CAN Port | |
|----------|---------|
| 00 | Absent |
| C1 | CANopen |

(1) Mandatory port for use with remote IO
 (2) not available with keypad

1)

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GF_VEDO SL 70CT color touch

| Model | Description | Code |
|-----------------------------------|--|---------|
| GF_VEDO SL 70CT LX0 00 00 00 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F055186 |
| GF_VEDO SL 70CT LX0 00 00 U1 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F055188 |
| GF_VEDO SL 70CT LX0 S1 00 00 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056340 |
| GF_VEDO SL 70CT LX0 00 C1 00 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. | F056900 |
| GF_VEDO SL 70CT LX0 S1 C1 00 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056901 |
| GF_VEDO SL 70CT LX0 S1 00 U1 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056902 |
| GF_VEDO SL 70CT LX0 00 C1 U1 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. | F054750 |
| GF_VEDO SL 70CT LX0 S1 C1 U1 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. | F055908 |

GF_VEDO SL 70CT colori touch

| Model | Description | Code |
|-----------------------------------|--|---------|
| GF_VEDO SL 70CT LX0 00 00 00 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059739 |
| GF_VEDO SL 70CT LX0 00 00 U1 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059740 |
| GF_VEDO SL 70CT LX0 S1 00 00 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059789 |
| GF_VEDO SL 70CT LX0 00 C1 00 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059790 |
| GF_VEDO SL 70CT LX0 S1 C1 00 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059791 |
| GF_VEDO SL 70CT LX0 S1 00 U1 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059792 |
| GF_VEDO SL 70CT LX0 00 C1 U1 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059793 |
| GF_VEDO SL 70CT LX0 S1 C1 U1 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059794 |

GF_VEDO SL 70CT color touch with 10 programmable function keys

| Model | Description | Code |
|-----------------------------------|---|---------|
| GF_VEDO SL 70CT LX0 00 00 00 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, 10 programmable function keys [F1...F10] | F055187 |
| GF_VEDO SL 70CT LX0 00 00 U1 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] | F056920 |
| GF_VEDO SL 70CT LX0 S1 00 00 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] | F056934 |
| GF_VEDO SL 70CT LX0 00 C1 00 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] | F056921 |
| GF_VEDO SL 70CT LX0 S1 C1 00 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10]. | F056922 |
| GF_VEDO SL 70CT LX0 S1 00 U1 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10]. | F056935 |
| GF_VEDO SL 70CT LX0 00 C1 U1 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10]. | F054749 |
| GF_VEDO SL 70CT LX0 S1 C1 U1 K1 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 800x480 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] | F054748 |

ORDERING CODE

Integrated Controller and Operator Panel

Create the codes to suit the device configuration required

GF_VEDO SL **V70CT** **LX0**

| Model | |
|--------------------|--------------|
| 7" Verical Display | V70CT |

| Basic memory | |
|--|------------|
| FLASH 128 MB DRAM 64 MB FRAM 32 kB | LX0 |

| RS485 + RS232 ports | |
|-------------------------------------|-----------|
| Absent | 00 |
| serial RS485+RS232+ slot SD card | S1 |

| Faceplate | |
|-----------|---------|
| G | Gefran |
| N | Neutral |

2)

| Keypad | |
|-----------|---------|
| 00 | Absent |
| K1 | Present |

| USB Port | |
|-----------|--------|
| 00 | Absent |
| U1 | USB |

| CAN Port | |
|-----------|---------|
| 00 | Absent |
| C1 | CANopen |

1)

- (1) Mandatory port for use with remote IO
 (2) not available with keypad

GF_VEDO SL V70CT color touch - vertical installation

| Model | Description | Code |
|------------------------------------|--|----------|
| GF_VEDO SL V70CT LX0 00 00 00 00 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F0567936 |
| GF_VEDO SL V70CT LX0 00 00 U1 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. | F056951 |
| GF_VEDO SL V70CT LX0 S1 00 00 00 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056952 |
| GF_VEDO SL V70CT LX0 00 C1 00 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056953 |
| GF_VEDO SL V70CT LX0 S1 C1 00 00 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. | F056954 |
| GF_VEDO SL V70CT LX0 S1 00 U1 00 G | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056955 |
| GF_VEDO SL V70CT LX0 00 C1 U1 00 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F0567380 |
| GF_VEDO SL V70CT LX0 S1 C1 U1 00 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation | F056956 |

| Model | Description | Code |
|------------------------------------|---|---------|
| GF_VEDO SL V70CT LX0 00 00 00 00 N | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059767 |
| GF_VEDO SL V70CT LX0 00 00 U1 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059768 |
| GF_VEDO SL V70CT LX0 S1 00 00 00 N | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059769 |
| GF_VEDO SL V70CT LX0 00 C1 00 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059658 |
| GF_VEDO SL V70CT LX0 S1 C1 00 00 N | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059770 |
| GF_VEDO SL V70CT LX0 S1 00 U1 00 N | GF_VEDO SL 70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059771 |
| GF_VEDO SL V70CT LX0 00 C1 U1 00 N | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059773 |
| GF_VEDO SL V70CT LX0 S1 C1 U1 00 N | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation. Neutral faceplate without logo. | F059774 |

GF_VEDO SL V70CT color touch with 10 programmable function keys - vertical installation

| Model | Description | Code |
|------------------------------------|---|---------|
| GF_VEDO SL V70CT LX0 00 00 00 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, 10 programmable function keys [F1...F10] . | F056974 |
| GF_VEDO SL V70CT LX0 00 00 U1 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] | F056975 |
| GF_VEDO SL V70CT LX0 S1 00 00 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] . | F056976 |
| GF_VEDO SL V70CT LX0 00 C1 00 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] . | F056977 |
| GF_VEDO SL V70CT LX0 S1 C1 00 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] . | F056978 |
| GF_VEDO SL V70CT LX0 S1 00 U1 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, USB port, RS485 port, RS232 port and SD slot, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10] . | F056979 |
| GF_VEDO SL V70CT LX0 00 C1 U1 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10]. | F056275 |
| GF_VEDO SL V70CT LX0 S1 C1 U1 K1 G | GF_VEDO SL V70CT Integrated unit for the complete management of the machine and process automation. 7" TFT colors display, 262K colors, resolution 480x800 pixels WVGA, analog and resistive touch screen, Build-in Ethernet port, CAN port, RS485 port, RS232 port and SD slot, USB port, integrated SoftPLC [standard IEC61131-3], ARM9, 400MHz processor, Flash 128 MB, DRAM 64 MB, FRAM 32 KB, RTC with backup battery, IP65 front panel protection, horizontal installation, 10 programmable function keys [F1...F10]. | F056184 |

ACCESSORIES

Programming tool

GF_PROJECT LX

Development software that allows the writing of the application program for PLC with IEC1131 languages. Also allows the construction, in graphic mode, of the various pages of the user interface necessary to the application developed.

Via GF_PROJECT LX it is possible to connect to the device that will host the application to debug the program and upload the upgrades.

System requirements

| | Minimum | Recommended |
|--------------------------------|---|---|
| Sistema operativo | Windows XP SP2 or Windows Vista or Windows 7 (32 bit) | Windows 7 (64 bit) |
| Processore | Intel Pentium 1 GHz | Intel Core i5 2,5 Ghz or superior |
| RAM | 2 GB | 4 GB or superior |
| Free space on Hard Disk | 2 GB | 4 GB or superior |
| Graphic resolution | XGA (1024 x 768 pixel) | SXGA (1280 x 1024 pixel) or superior |
| Browser | Microsoft Internet Explorer 8.0 | Microsoft Internet Explorer 9.0 or superior |
| Ethernet Port | 1 RJ45 | |
| DVD player | Yes | |
| USB Port | | 1 USB 2.0 |



The instrument conforms to the European Directives 2004/108/CE (EMC) and 2006/95/CE (LVD) with reference to the generic standards: **EN 61131-2** (product) - **EN 61010-1** (safety)

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DTS_GFVEDO SL_12-2013_ENG