

# VL FPM 19U - Monitor

2913021

<https://www.phoenixcontact.com/pc/products/2913021>



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19"/48 cm flat panel LCD monitor with resistive touch screen. Includes two rear USB ports and one front USB port.

## Product description

Valueline® flat panel monitors can be used in applications where a remote display location is required. They can be mounted in an enclosure (panel mount) or attached to a VESA mount. The VL FPM... works together with any Valueline box IPC or any computer with a VGA or DVI port.

## Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 2913021            |
| Packing unit                         | 1 pc               |
| Minimum order quantity               | 1 pc               |
| Product key                          | DRBAAD             |
| Catalog page                         | Page 43 (C-6-2017) |
| GTIN                                 | 4046356662321      |
| Weight per piece (including packing) | 3.4 kg             |
| Weight per piece (excluding packing) | 3.4 kg             |
| Customs tariff number                | 85249100           |
| Country of origin                    | TW                 |

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## Technical data

### Product properties

|              |         |
|--------------|---------|
| Product type | Monitor |
|--------------|---------|

#### Computer data

|                     |                          |
|---------------------|--------------------------|
| Processor           | without                  |
| Operating system    | without operating system |
| RAM                 | without RAM              |
| Data storage system | without data storage     |
| Cooling             | passive                  |
| Slots               | without slots            |

#### Display

|                       |                                 |
|-----------------------|---------------------------------|
| Display type          | 48.3 cm / 19"-TFT               |
| Screen resolution     | 1280 x 1024 Pixel(s) (SXGA)     |
| Touch technology      | analog resistive (polyester)    |
| Display lighting type | CCFL                            |
| Brightness            | 300 cd/m², typical (adjustable) |
| MTBF                  | > 50000 h                       |
| Color spectrum        | 16.7 million colors             |

### Electrical properties

#### Supply

|                          |                         |
|--------------------------|-------------------------|
| Supply voltage           | 24 V DC (typical)       |
| Supply voltage range     | 19.2 V DC ... 28.8 V DC |
| Power supply unit        | 24 V DC $\pm$ 20 %      |
| Max. current consumption | 1.74 A (24 V DC)        |

### Interfaces

|                |                   |
|----------------|-------------------|
| Interfaces     | 1x USB 1.1, Typ A |
|                | 1x USB 2.0, Typ A |
|                | 1x USB on front   |
| Monitor output | 1x DVI-D          |
|                | 1x VGA            |
| Network        | without network   |

### Dimensions

#### External dimensions

|                        |                                          |
|------------------------|------------------------------------------|
| Width / Height / Depth | 489 mm / 406 mm / 48 mm (Includes bezel) |
|------------------------|------------------------------------------|

#### Installation dimensions

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Width / Height / Installation depth | 444 mm / 362 mm / (Panel cutout) |
|-------------------------------------|----------------------------------|

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## Environmental and real-life conditions

### Ambient conditions

|                                          |                                              |
|------------------------------------------|----------------------------------------------|
| Degree of protection                     | IP65 (front), IP20 (back)                    |
| Ambient temperature (operation)          | 0 °C ... 55 °C                               |
| Ambient temperature (storage/transport)  | -40 °C ... 70 °C                             |
| Permissible humidity (operation)         | 5 % ... 95 %                                 |
| Permissible humidity (storage/transport) | 5 % ... 95 %                                 |
| Shock                                    | 15g, 11 ms in accordance with IEC 60068-2-27 |
| Vibration (operation)                    | DIN EN 60068-2-6                             |

## Mounting

|               |                            |
|---------------|----------------------------|
| Mounting type | Panel cutout or VESA mount |
|---------------|----------------------------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 19200201 |
|-------------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43211509 |
|-------------|----------|

## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes                |
| Exemption                               | 6(c), 7(a), 7(c)-I |

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                      |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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## Accessories

### TOUCH PEN - Touch pen

2701379

<https://www.phoenixcontact.com/pc/products/2701379>



Touch pen for analog-resistive HMI, silver coated. Delivery includes self-adhesive pen holder.

### MSTB 2,5/ 3-STF - PCB connector

1786844

<https://www.phoenixcontact.com/pc/products/1786844>



PCB connector, nominal cross section: 2.5 mm<sup>2</sup>, color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MSTB 2,5/...-STF, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, locking clip: - without locking clip, plug-in system: COMBICON MSTB 2,5, locking: Screw locking mechanism, mounting: Screw flange, type of packaging: packed in cardboard

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