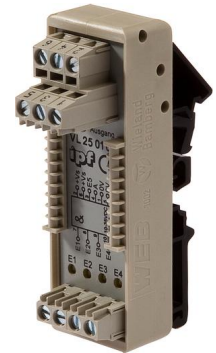


VL250100

Logic module • Control cabinet installation

Logic module, 49x80x26mm, AND, 4fold, 10-35V DC, sensor side Clamp, control side Clamp, IP40, Plastic



Connecting digital signals directly at the machine can contribute to significant cost and effort minimization. A classic application is the linking of different signals directly in the field. Thus, it is possible to avoid long line paths of many individual devices, which significantly reduces the wiring effort and the need for control inputs. All input signals on the logic modules are visualized by integrated LED and are electrically decoupled from each other. In this way, influences from one device to the other are reliably prevented. The outputs of the modules are overload-proof and the upcoming signal is also indicated by an LED. In addition to logical input signal connections such as AND and OR, versions with signal change control are also available. The ipf logic modules are available for DIN rail mounting or as field modules. Therefore and because of the robust housing, which is characterized by a high degree of protection against the penetration of dust and water, our devices can be used in all areas of machines, equipment and tools.

Electrical features

| | |
|--|---|
| Number of inputs per logic unit | 4 |
| Number of electrical connections, A connection | 4 |
| Number of electrical connections, B connection | 1 |
| Number of logic units | 1 |
| Display | LED display |
| Type of A electrical connection | Clamps |
| Type of B electrical connection | Clamps |
| Rated switching current | 300mA |
| No-load current | 5mA |
| Logic | AND |
| Switching frequency | 5000Hz |
| Voltage drop | 2.1V |
| Operating voltage (DC) | 10 - 35V |
| Cascadable | Yes |
| Output logic | $A1 = E1 \wedge E2 \wedge E3 \wedge E4$ |

Mechanical features

| | |
|---------------------------|--------------|
| Width | 25.5mm |
| Height | 49mm |
| Length | 80mm |
| Mounting method | Top hat rail |
| Degree of protection (IP) | IP40 |
| Housing material | Plastic |
| Ambient temperature | -25 - 60°C |

Other features

| | |
|---------------------|------------|
| Ambient temperature | -25 - 60°C |
|---------------------|------------|

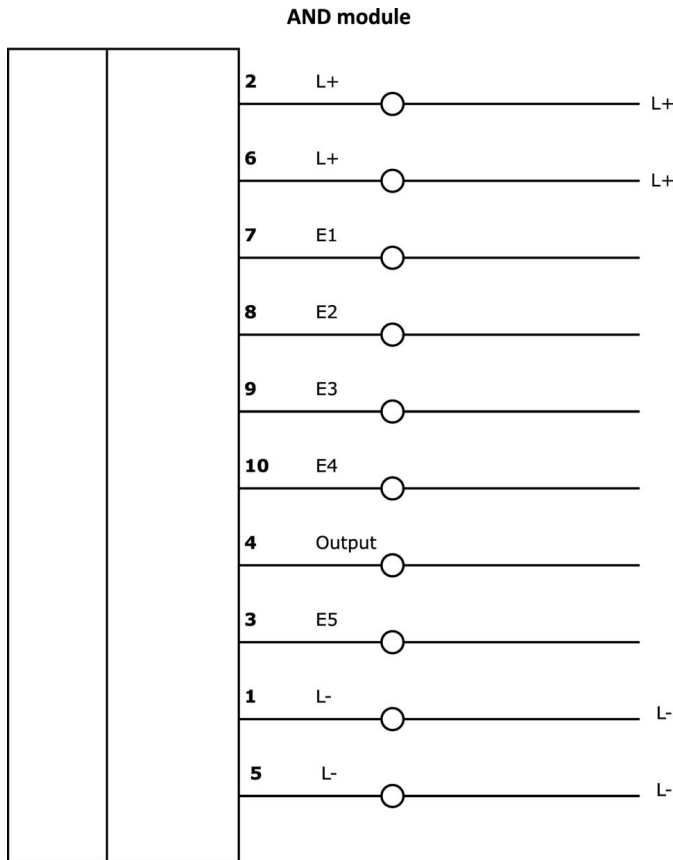
Classification

| | |
|--------|-----------------------|
| ETIM 8 | EC001417 Logic module |
|--------|-----------------------|

More

| | |
|-----------------------|-------------------|
| IPF Product Group | 800 miscellaneous |
| packaging dimensions | 123 x 77 x 25 mm |
| gross weight | 60 g |
| Customs tariff number | 85365005 |
| WEEE number | 40951076 |
| Reach-compliant | Yes |
| RoHS-compliant | Yes |

Connection



Installation



Mounting / installation may only be carried out by a qualified electrician!

Disposal



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

Dimensional drawing

