

## VL250120

### Logic module • Control cabinet installation

Logic module, 49x80x26mm, OR, 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	300 mA
No-load current	5 mA
Logic	OR
Switching frequency	5000 Hz
Voltage drop	2.1 V
Operating voltage (DC)	10 - 35 V
Cascadable	Yes
Output logic	A1 = E1 V E2 V E3 V E4

**Mechanical features**

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

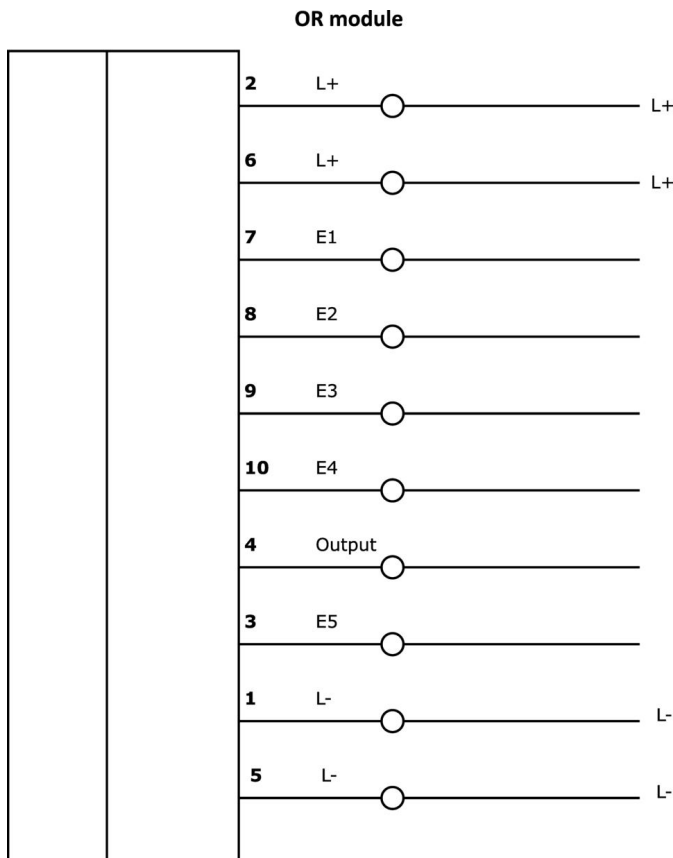
**Classification**

ETIM 8	EC001417 Logic module
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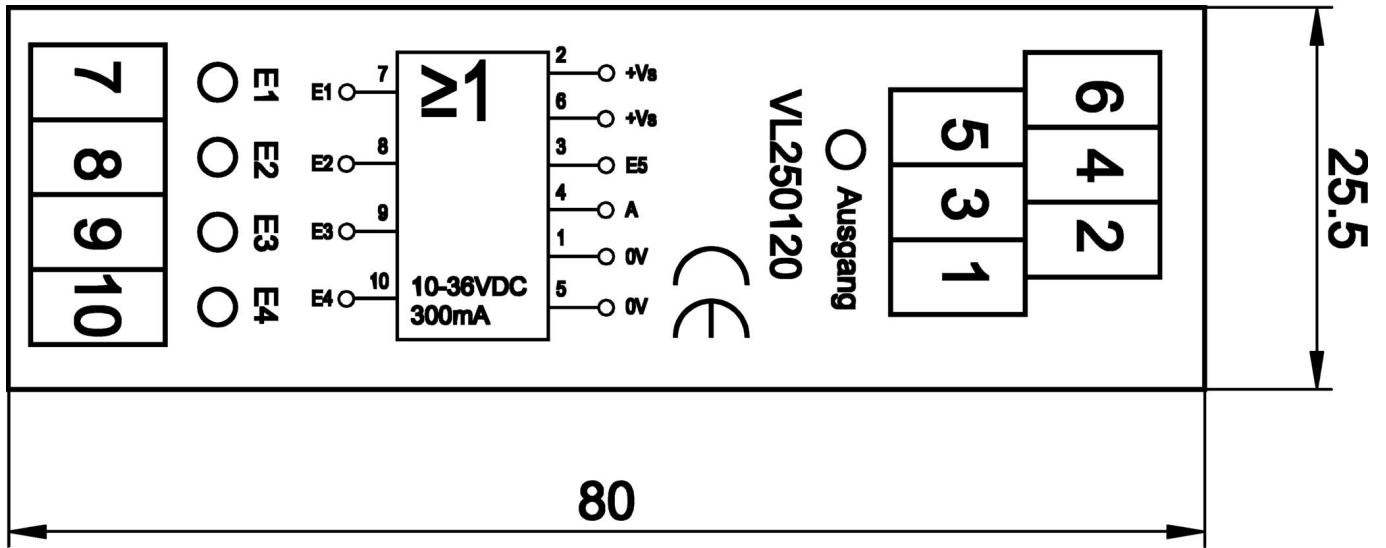
**More**

IPF Product Group	800 miscellaneous
packaging dimensions	200 x 150 x 25 mm
gross weight	42 g
Customs tariff number	85365005
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



**Installation**

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



**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

**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.