

## VL300148

### Logic module • Logic modules

Logic module, 26x136x30mm, AND, 4fold, 10-30V DC, sensor side M8 Female (socket) 3pin, control side M12 Male (connector) 12pin, IP67, Plastic, Signal change logic

including Identification label, Screw plug



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	Connector M8
Type of B electrical connection	Connector M12
Rated switching current	200 mA
No-load current	15 mA
Logic	AND
Number of pins of A connection	3
Number of pins of B connection	12
Switching frequency	2500 Hz
Operating voltage (DC)	10 - 30 V
Output logic	$A1 = E1 \wedge E3 \wedge E5 \wedge E7$

**Mechanical features**

Width	30 mm
Height	25.5 mm
Length	136.5 mm
Mounting method	Screw mounting
Degree of protection (IP)	IP67
Housing material	Plastic
Ambient temperature	-25 - 70 °C

**Other features**

Features	Signal change logic
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**Classification**

ETIM 8	EC001417 Logic module
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**More**

IPF Product Group	800 miscellaneous
packaging dimensions	149 x 124 x 28 mm
gross weight	140 g
Customs tariff number	85365005
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

**Extract accessories program**

**VK003076**



Cable connector, Angular, Suitable for self-assembly, Soldering connection, 4A, 60V, -40-85°C, M8 Male (connector) 3pin, IP67, Brass

**VK003078**



Cable connector, Straight, Suitable for self-assembly, Soldering connection, Ø3.5-5mm, 4A, 60V, -40-85°C, M8 Male (connector) 3pin, IP67, Brass

**VK205C25**



Connection cable, 2m, M12 Female (socket) 12pin Straight, Free conductor end, 12x0.14mm<sup>2</sup>, PUR (Polyurethane) Black, Ø6mm, 30V, -30-90°C, IP67, TPU, Shielded, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding ar...

**VK505C25**



Connection cable, 5m, M12 Female (socket) 12pin Straight, Free conductor end, 12x0.14mm<sup>2</sup>, PUR (Polyurethane) Black, Ø6mm, 30V, -30-90°C, IP67, TPU, Shielded, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding ar...

**VK200C21**



Connection cable, 2m, M12 Female (socket) 12pin Angular, Free conductor end, 12x0.14mm<sup>2</sup>, PUR (Polyurethane), Ø5.8mm, 30V, -25-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK200C25**



Connection cable, 2m, M12 Female (socket) 12pin Straight, Free conductor end, 12x0.14mm<sup>2</sup>, PUR (Polyurethane), Ø5.8mm, 30V, -25-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

**VK030F70**



Connection cable, 0.3m, M8 socket 3-pin angular, M8 connector 3-pin straight, 3x0.34mm<sup>2</sup>, PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**VK030F74**



Connection cable, 0.3m, M8 socket 3-pin straight, M8 connector 3-pin straight, 3x0.34mm<sup>2</sup>, PUR (polyurethane), 60V, IP67, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free

**VK000034**



Screw plug, M8, Plastic, Black

You can find further accessories on our homepage



**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.