

Technical data sheet

Double sheet monitoring amplifier

Part no.: 50104021

VDB 12B/6P

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For illustration purposes only



Technical data

Basic data

Series	12
Principle of physics	Ultrasonics
Application	Double sheet monitoring

Electrical data

Performance data

Supply voltage U_B	18 ... 30 V, DC
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Inputs

Number of teach inputs	1 Piece(s)
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Teach inputs

Type	Teach input
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Teach input 1

Outputs

Number of digital switching outputs	2 Piece(s)
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Switching outputs

Type	Digital switching output
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Switching output 1

Switching element	Transistor, Push-pull
Function	Single sheet detected or ≥ 1 sheet

Switching output 2

Switching element	Transistor, Push-pull
Function	Double sheet detected or ≥ 2 sheets

Time behavior

Switching frequency	200 Hz
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Connection

Connection 1

Type of connection	Connector
Thread size	M12
Material	Metal
No. of pins	5 -pin

Mechanical data

Design	Cubic
Dimension (W x H x L)	84 mm x 37 mm x 98 mm
Housing material	Metal
Metal housing	Aluminum
Net weight	400 g

Operation and display

Type of display	LED
Operational controls	Teach button

Environmental data

Ambient temperature, operation	0 ... 50 °C
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Certifications

Degree of protection	IP 65
Protection class	III
Approvals	c UL US
Standards applied	IEC 60947-5-2

Classification

Customs tariff number	85365019
ECLASS 5.1.4	27289200
ECLASS 8.0	27289290
ECLASS 9.0	27272892
ECLASS 10.0	27272892
ECLASS 11.0	27272892
ECLASS 12.0	27272892
ECLASS 13.0	27272892
ECLASS 14.0	27272892
ECLASS 15.0	27272892
ECLASS 16.0	27272892
ETIM 5.0	EC002498
ETIM 6.0	EC003015
ETIM 7.0	EC003015
ETIM 8.0	EC003015
ETIM 9.0	EC003015
ETIM 10.0	EC003015

Electrical connection

Connection 1

Type of connection	Connector
Thread size	M12
Material	Metal
No. of pins	5 -pin

Accessories

Connection technology - Connection cables

	Part no.	Designation	Article	Description
	50132079	KD U-M12-5A-V1-050	Connection cable	Application: Chemical resistant Connection 1: Connector, M12, Axial, Female, A-coded, 5 -pin Connector, LED: No Connection 2: Open end Shielded: No Cable length: 5,000 mm Sheathing material: PVC

Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.