

## VATSeries613-Interface VATSeries613-Interface-Module

The VATSeries613-Interface-Module is an adapter. This adapter was specially designed for the butterfly control valve series 613 from VAT. This adapter provides protection for the butterfly control valve and a few signals are connected internally for control and monitoring via PLC.



### Key commercial data

Packing unit	1 pc
Weight per piece (excluding packing)	102g
Weight per piece (including packing)	112g
Country of origin	Germany

### Technical data mechanically

Width (W)	25mm
Height (H)	95mm
Depth (D)	99mm
Ambient temperature (operation)	0°C ... 50°C
Ambient temperature (storage/transport)	-20°C ... 70°C
Relative humidity	90% without condensation
Mounting position	any

### Technical data electric

Nominal voltage $U_N$	24V DC ( $\pm 10\%$ )
Nominal current $I_N$ fuse F1	3A
Switching capacity $I_{cn}$ fuse F1	$6 \times I_N$
Trigger organs fuse F1	thermal
Switching behavior fuse F1	snap action mechanism
Type fuse F1	ETA 104-PR-3A
Protection class	IP20

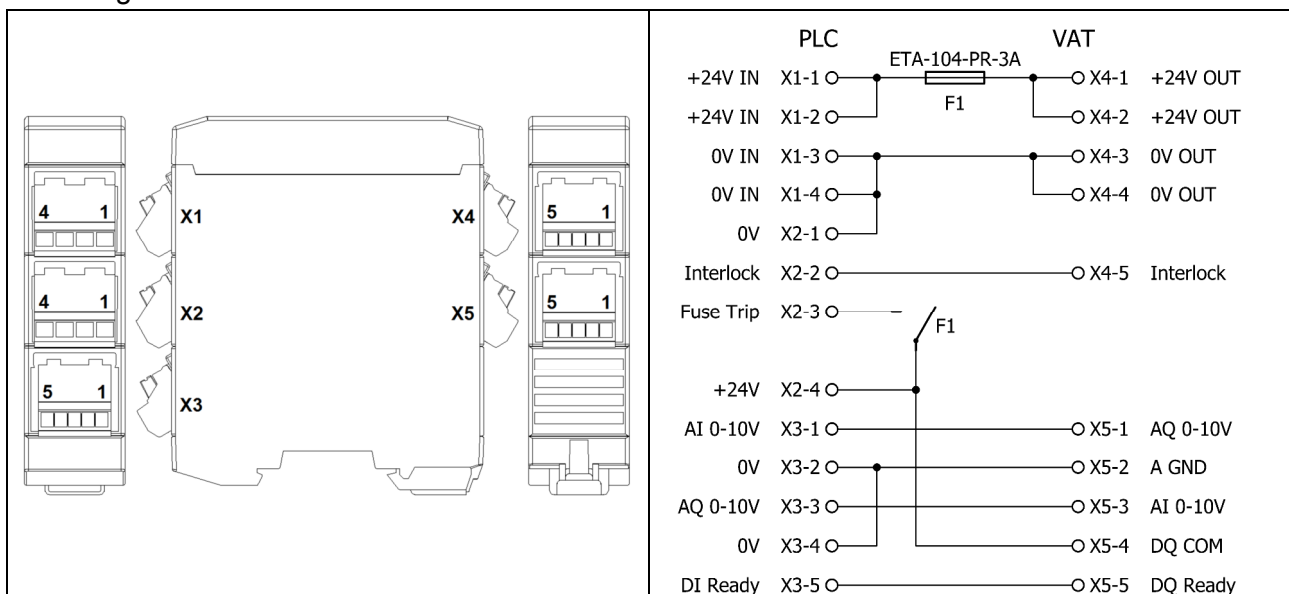
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Connection data connectors X1/X2	
Nominal current $I_N$ X1	3A
Nominal current $I_N$ X2	0,5A
Connection type	Push-in spring connection
Conductor cross section solid	0,25mm <sup>2</sup> ... 2,5mm <sup>2</sup>
Conductor cross section flexible	0,25mm <sup>2</sup> ... 2,5mm <sup>2</sup>
Conductor cross section with ferrule, with/ without plastic sleeve	0,25mm <sup>2</sup> ... 2,5mm <sup>2</sup>
Conductor cross section with TWIN-ferrule, with plastic sleeve	0,5mm <sup>2</sup> ... 1,5mm <sup>2</sup>
Stripping length	10mm
Connection data connectors X3/X4/X5	
Nominal current $I_N$ X4	3A
Nominal current $I_N$ X3/X5	0,5A
Connection type	Push-in spring connection
Conductor cross section solid	0,25mm <sup>2</sup> ... 1,5mm <sup>2</sup>
Conductor cross section flexible	0,25mm <sup>2</sup> ... 1,5mm <sup>2</sup>
Conductor cross section with ferrule, without plastic sleeve	0,25mm <sup>2</sup> ... 1mm <sup>2</sup>
Conductor cross section with ferrule, with plastic sleeve	0,25mm <sup>2</sup> ... 0,75mm <sup>2</sup>
Stripping length	10mm

### Standards and Regulations

Standards/regulations	EN 50178: 10/97
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### PIN assignment





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Functionality of the adapter

Power supply	Fuse F1	Fuse Ok LED green	Fuse Tripped LED red	Contact F1 X2-3/4	Function
≥ 15V					Normal
≥ 15V					Normal
≥ 15V	 				Error
≥ 15V					Error
≥ 2V und < 15V	 				Normal
< 2V	 				Normal
Function Normal: The function of the adapter lies in its specified parameters.  Function Error: The adapter has a fault and should be replaced.				LED does not light LED lights up green LED lights up red	
If the black actuator protrudes approx. 5mm further, then the fuse has been tripped. To reset the fuse, you must press reset. The fuse will operate again as soon as the overload has been eliminated and the fuse has cooled down.					

Safety regulations and installation notes

	<p>Before startup please ensure:</p> <ul style="list-style-type: none"> <li>• Only skilled persons may install, start up and operate the device.</li> <li>• Observe the national safety and accident prevention regulations.</li> </ul>
	<p><b>WARNING: Danger to life by electric shock!</b></p> <ul style="list-style-type: none"> <li>• Never carry out work when voltage is present.</li> <li>• Establish mains connection correctly and ensure protection against electric shock.</li> <li>• The device must be switched off outside the power supply in accordance with the regulations of EN 60950-1 (e.g. by means of line protection on the primary side).</li> <li>• Cover termination area after installation in order to avoid accidental contact with live parts (e.g. installation in control cabinet).</li> <li>• Protect the device against foreign bodies penetrating it.</li> </ul>

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	<p><b>NOTE: Danger if used improperly!</b></p> <ul style="list-style-type: none"><li>• The device is a built-in device.</li><li>• The IP20 degree of protection (IEC 60529/EN 60529) of the device is intended for use in a clean and dry environment. Do not subject the device to any load that exceeds the described limits.</li><li>• Observe mechanical and thermal limits.</li><li>• Ensure that the primary-side wiring and secondary-side wiring are the correct size and have sufficient fuse protection.</li></ul>
	<ul style="list-style-type: none"><li>• It is not permissible to open or modify the device. Do not repair the device yourself but replace it with an equivalent device. Repairs may only be carried out by the manufacturer. The manufacturer is not liable for damage resulting from violation.</li><li>• The device may only be used for its intended use.</li></ul>

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### Pictures

