



Data sheet

DMA-22-00-270-SDLS

GRIBI

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We are grateful for suggestions for improvement. We reserve the right to make technical changes. We reserve the right to make changes to the content of this manual without prior notice.

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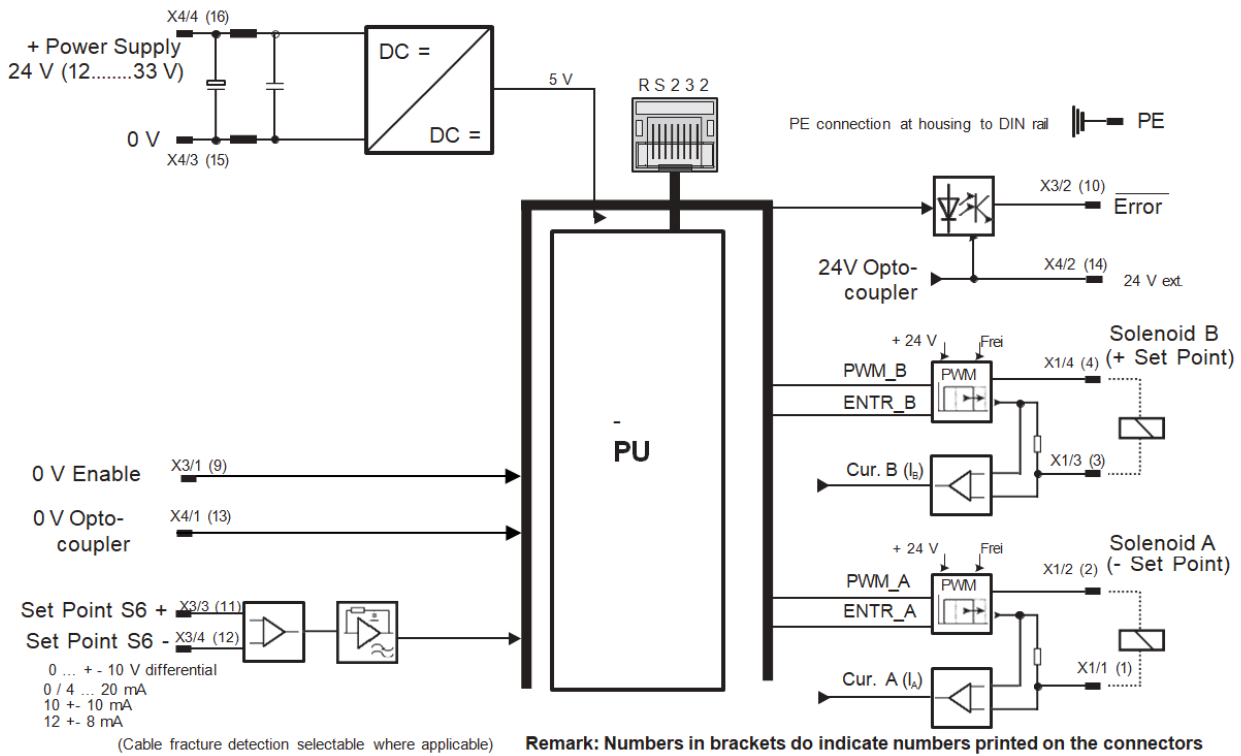
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1 Technical data

Feature	Range, characteristics
Supply voltage	Unom = 24 V (12 ... 33V) DC, residual ripple < 10 % (max. 50 VA power draw) The modul can also be used on supply voltage of Unominel = 12 V (> 9,5 V)
Solenoid system selection	0,8 A; 1,1 A; 1,3 A; 1,6 A; 2,4 A; 2,7 A and 3,5 A (intermediate values adjustable)
Control voltage for digital inputs	(12) 24 V +/- 10 %, residual ripple < 10 %, current draw per input < 20 mA
Temperature ranges	Ambient: 0° C ...50° C (other on request) storage - 20° C ... 60° C
Connection	12 pole (4 x 3); screw terminals for 0.2 - 2.5 mm ² (AWG 24 -12) or cage clamps; for detailed technical data refer to Phoenix Contact Combicon Product Catalog
Type of connector	Phoenix Combicon connector with screw terminals, type: MSTBT 2,5/ 4-ST Also available on request: terminals with cage clamp, type: FKCT 2,5/4-ST
EMC	EN 61000-6-2: 2005 / EN 61000-6-3:2007 + A1:2011; EN 61000-6-4:2007 + A1:2011.
Analogue set value (input)	DMA-22-00: 1 differential input, 12 bit resolution, 0 ... +/- 10 V / 0 ...20 mA / 4 ... 20 mA
Solenoid current (output)	2 output stages, each for up to max. 3,5 A (with over-energ. and quick de-energization); max. combined current = 4,5 A
Digital outputs	1 output opto-coupled, voltage level 0 V / 24 V, 10 mA (ERROR)
Interface 1	RS232, 6-pole female RJ45/6 connector
Status signals	3 status LED's at front (Run/OK; Enable, Error)
PWM frequency, cycle times	Approx. 22 kHz PWM frequency, cycle time max. 0,17 msec
Mounting/housing	Mounting: top-hat rail (mounting rail) in accord. with EN50022 with integrated PE contact Housing configuration: ventilated (IP20) Material: PA 66 - FR (blue); flammability in accordance with UL94V0 Dimensions approx.: (w x h x d) 22,5 x 100 x 114 mm Bus single module version: dimensions approx.: (w x h x d) 45 x 100 x 114 mm Bus multi module version: dimensions approx.: (w x h x d) ((n+1)x22,5) x 100 x 114 mm; n = number of slaves (modules)

2 Block diagram hardware



For Version DMA-22-00 Enable must be connected to 0V

3 Declaration of conformity

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EC Declaration of Conformity in accordance with EMC Directive 2014/30/EU

HCS Hydraulic Control Systems GmbH
Neuffener Str. 29
D-72636 Frickenhausen

hereby declares that the product described as follows complies in terms of its design, as well as in the version placed in the stream of commerce by us, with the relevant requirements of the directive. This declaration is void in the event of any changes to the product without our written agreement.

Product:	Digital Amplifier and Controller Module
Intended use:	Automation systems (industrial applications)
Model:	<u>DMA-22-x</u>
Rated voltage:	24 V DC; SELV
Rated power:	max. 100 W
Protection class:	III
Protection degree:	IP00 (IP20 on request)
Relevant EC Directive:	EMC Directive 2014/30/EU
Applicable EU Standards:	
Emissions:	EN 61000-6-3:2007 + A1:2011 Germanischer Lloyd VI-7-2 (EN 60945) on request
Immunity:	EN 61000-6-2: 2005

Date/manufacturer's signature

01.01.2018
Details of signatory:



Dipl.-Ing. (FH) Peter Deuschle (General Manager)

Hydraulic Control Systems GmbH Geschäftsführer / General Manager: Dipl.-Ing. (FH) Peter Deuschle + Dipl.-Ing. (FH) Volker Bremauer
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4 Notes

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