

# Solenoids 390X, 391X, 392X, 393X in Protection Class EEx me



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Available voltages: 24 VDC, 24 VUC (0 ... 60 Hz), 230 VAC (40 ... 60 Hz), other voltages on request.

Design to VDE 0580 and EN 50014, EN 50028/VDE 0170/0171.

Conformity certificate: PTB No. Ex-92.C.2175 X, Publication 7502929.

100 % duty cycle.

Electrical connection: Terminal for max. wire cross section 2.5 mm<sup>2</sup>, cable gland Pg 13.5

or with cable 3 x 1.5 mm<sup>2</sup> (+155 °C) 3 m long and coil space epoxy sealed (IP 66).

Aluminum housing with corrosion-protected surface.

Solenoids also available with fuse. Other versions available on request.

## For core tube dia. 13 mm


Rated power	Protection class	Temperatures <sup>2)</sup>			Degree of protection to DIN 40050 <sup>1)</sup>	Perm. relative air humidity [%]	Weight [kg]	Voltage	Circuit diagram	Cat. No. Solenoids	Constructional features
		Fluid max. [°C]	Ambience [°C]	Max. temp. sum [°C]							
0.7 W	EEx me II T5 or EEx me II T6	80	-20 to +80	160	IP 65	80	0.83	DC	A	<b>3900</b>	Epoxy encapsulated, terminal
0.7 W					IP 66	95	0.83	DC	A	<b>3906</b>	Epoxy encapsulated, cable
0.7 W					IP 66	95	1.0	AC/UC	B	<b>3907</b>	Epoxy encapsulated, cable, rectifier
4 W	EEx me II T5 or EEx me II T6	80	-20 to +80	160	IP 65	80	0.83	DC	A	<b>3910</b>	Epoxy encapsulated, terminal
4 W 5 VA					IP 65	80	0.83	AC/UC	B	<b>3911</b>	Epoxy encapsulated, terminal, rectifier
4 W					IP 65	80	0.83	DC	A	<b>3912</b>	Hard anodised, terminal
4 W								IP 66	95	1.0	DC
4 W 5 VA					IP 66	95	1.0	AC/UC	B	<b>3917</b>	Epoxy encapsulated, cable, rectifier
8 W	EEx me II T4 or EEx me II T6	70	-20 to +70	140	IP 65	80	0.83	DC	A	<b>3920</b>	Epoxy encapsulated, terminal
8 W 9 VA					IP 65	80	0.83	AC/UC	B	<b>3921</b>	Epoxy encapsulated, terminal, rectifier
8 W					IP 65	80	0.83	DC	A	<b>3922</b>	Hard anodised, terminal
8 W								IP 66	95	1.0	DC
8 W 9 VA					IP 66	95	1.0	AC/UC	B	<b>3927</b>	Epoxy encapsulated, cable, rectifier



<sup>1)</sup> Degree of protection applies to complete assembly composed of valve and coil, with electrical wiring according to regulations.

<sup>2)</sup> Temperatures mentioned refer to solenoids only. Permissible valve temperatures are not considered here. The max. temperature sum composed of the ambient- and fluid temperature must not be exceeded.

**For core tube dia. 13 mm**

	Rated power		Protection class	Temperatures <sup>2)</sup>			Degree of protection to DIN 40050 <sup>1)</sup>	Perm. relative air humidity [%]	Weight [kg]	Voltage	Circuit diagram	Cat. No. Solenoids	Constructional features
	DC	AC		Fluid max. [°C]	Ambience [°C]	Max. temp. sum [°C]							
	12 W		EEx me II T5	60	-20 to +60	120	IP 65	80	0.83	DC	A	<b>3930</b>	Epoxy encapsulated, terminal
	12 W	13 VA											
	12 W		EEx mell T6	45	-20 to +45	90	IP 66	95	1.0	DC	A	<b>3936</b>	Epoxy encapsulated, cable
	12 W	13 VA											

DC - Direct current  
 AC - Alternating current  
 UC - Direct and alternating current

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**Dimensional drawing (in mm) Circuit diagrams**

