

40xx / 41xx Solenoid

- For 2/2-, 3/2- and 5/2-way valves
- Power consumption from 4 up to 13 Watt
- Suited for outdoor use
- For high and low ambient temperatures
- Housing material: Steel with surface protection
- Easy installation of the solenoid
- Compact design
- Userfriendly terminal compartment with terminals for wire cross-section up to 2,5 mm² or with 3m cable 3 x 0,75 mm² (+140°C) and moulded terminal compartment.



Technical features

Duty cycle:
100% ED

Fuse:
None

Relative humidity of the air:
80%
max. 95% moulded with cable

Coil insulation:
Thermic class H
Standard voltages :
DC 24 V
AC 230 V (40 - 60 Hz)
Voltage tolerance: +/- 10%
Further voltages on request

Degree of protection (EN 60529):
IP65

IP67 moulded with cable
Weight:
500 g
700 g moulded with cable

Material:
Steel with surface protection

Temperature :
See table

Model overview solenoids

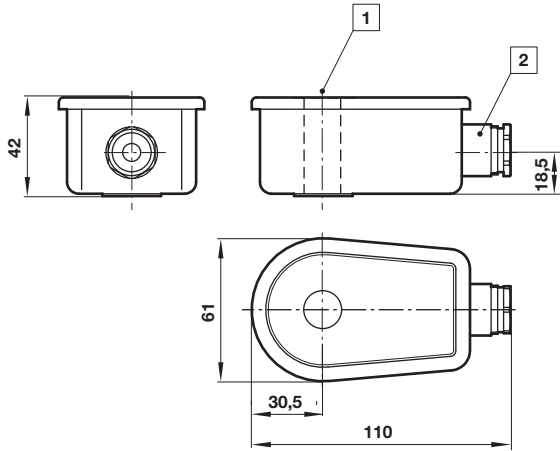
Model	Core tube	Rated power	Voltage	Rated current	Power consumption	Protection class	Version	Ambient / media temperature (°C)	Circuit diagram No.
ø 13 mm	ø 16 mm					IP			
4000	4100	11 W	24 V DC	475 mA	11,4 W	IP65	Terminal	-25...+80 Medium: +100	1
4001	4101	13 VA (13,6 W)	230 V AC	66 mA	15,2 VA	IP65	Terminal	-25...+80 Medium: +100	2
4002	4102	11 W	24 V DC	475 mA	11,4 W	IP67	Moulded with cable	-25...+80 Medium: +100	1
4003	4103	13 VA (13,6 W)	230 V AC	66 mA	15,2 VA	IP67	Moulded with cable	-25...+80 Medium: +100	2
4020	4120	8,0 W	24 V DC	369 mA	8,9 W	IP65	Terminal	-25...+90 Medium +110	1
4021	4121	9,0 VA (8,0 W)	230 V AC	43 mA	10,0 VA	IP65	Terminal	-25...+90 Medium +110	2
4022	4122	8,0 W	24 V DC	369 mA	8,9 W	IP67	Moulded with cable	-25...+90 Medium +110	1
4023	4123	9,0 VA (8,0 W)	230 V AC	43 mA	10 VA	IP67	Moulded with cable	-25...+90 Medium +110	2
4040	4140	4 W	24 V DC	162 mA	3,9 W	IP65	Terminal	-25...+100 Medium: +120	1

The mentioned solenoids are among others compatible with the following valve series

Solenoid	Valve series
4000/4001/4002/4003	95100, 95000, 96000
4100/4101/4102/4103	95100, 95000, 96000
4020/4021/4022/4023	26360/80207, 96000
4120/4121/4122/4123	24011, 25003, 98015
4040/4043	26360/80207, 96000
4140	95000, 96000

Dimensions - Solenoid

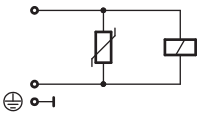
Dimensions in mm
Projection/First angle



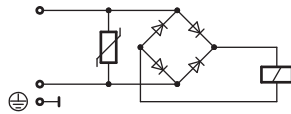
- 1 $\varnothing$ 16 or 13 (with spacer tube)
- 2 Pg 13,5

Circuit diagrams

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2



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering, Norgren GmbH.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.