

Sensors

Pressure sensors



Robust pressure sensors for measuring the system pressure, for example in refrigerant circuits. The sensors are suitable for all refrigerants, including NH_3 . Depending on the measured value, fans or also the compressor can be controlled. Supply to the sensors, e.g. by 24 V, from a frequency inverter, EC fan or other device.

The sensors output 4-20 mA proportionally over their measuring range.

The following types are available:

- Pressure sensors with approx. 2 m long connecting cable. Pressure ranges 0-30 and 0-50 bar.
- Pressure sensors with angled jumper for connecting an on-site cable. Pressure ranges -1-7, 0-30 and 0-50 bar.



Pressure sensors							
Supply voltage V	Type	Article no.	Cable/connection	Minimum ambient temperature °C	Maximum ambient temperature °C	Protection class	Measuring range
DC 7...30	MBG-7I (plug)	384042	Connector M12, angled 90°	-25	85	IP67	-1...7 bar
DC 8...36	MBG-30I	384000	Lead length: ap- prox. 2m	-40	100		0...30 bar
DC 8...36	MBG-50I	384030	Lead length: ap- prox. 2m	-40	100		0...50 bar
DC 8...36	MBG-30I (plug)	384028	Connector M12, angled 90°	-40	100		0...30 bar
DC 8...36	MBG-50I (plug)	384036	Connector M12, angled 90°	-40	100		0...50 bar

Connection diagram

