

Valve terminal RE-10 with
Multi-pin, AS-Interface or bus connection
4 – 12 valve stations, 300 NI/min (0.305 Cv)

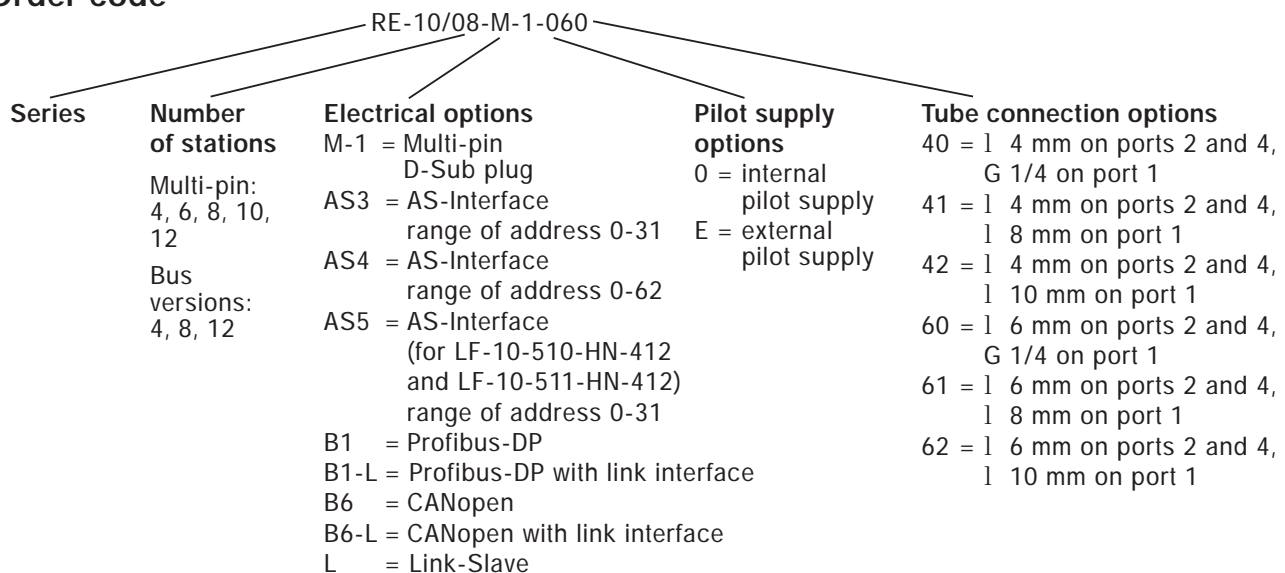


Technical data for series

RE-10



Order code



Design and function

Manifold system with integrated electrical connection including LED indicators. Each station can accommodate two 3/2-way valves or one 5/2- or 5/3-way valve. All connections are accessible from the front.

The valves and the multi-pin plug with cable must be ordered separately.

The manifold can be mounted with 4 M5 screws from bottom or from top using the mounting bracket RE-10-B-01 or on a DIN-rail (screws are included).

The valve terminal is delivered pre-assembled and function-tested. If not specified with the order, valve configuration is as follows:

Valves are mounted according to their order number, starting with high numbers on the side of the multi-pin, ending with low numbers on the opposite side, followed by blind plates (if ordered).

Technical data	AS-Interface	Profibus-DP	Profibus-DP with Link	CANopen	CANopen with Link	Link-Slave	Multi-pin
Number of stations	4, 8, 12	4, 8, 12	4, 8, 12	4, 8, 12	4, 8, 12	4, 8, 12	4, 6, 8, 10, 12
Power range	see valve						
Temperature range	+ 5 °C ... 50 °C (41 °F ... + 122 °F)						
Voltage	24 V DC						
Voltage tolerance	- 5 % ... + 10 %						
Voltage bus	18,5 ... 31,6 V DC	-	-	-	-	-	-

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Technical data	AS-Interface	Profibus-DP	Profibus-DP with Link	CANopen	CANopen with Link	Link-Slave	Multi-pin
Power consumption each solenoid ¹⁾	1,1 W	1,1 W	1,1 W	1,1 W	1,1 W	1,1 W	1,1 W
each bus system	–	4,3 W	4,3 W	4,3 W	4,3 W	1,5 W	–
each slave	1,1 W	–	–	–	–	–	–
Status indicator (LED):							
Solenoid active	yellow	yellow	yellow	yellow	yellow	yellow	yellow
error	red	red	red	red	red	red	–
Power valve active	green	green	green	green	green	green	–
(3 internal circuits)	(3 internal circuits)	(3 internal circuits)	(3 internal circuits)	(3 internal circuits)	(3 internal circuits)	(3 internal circuits)	–
error	off	off	off	off	off	off	–
Power fieldbus	–	green	green	green	green	green	–
Status fieldbus active	green (1x each Slave)	green	green	green	green	green	–
error	red (1 x each Slave)	red	red	red	red	red	–
Fieldbus online	–	green	green	–	–	–	–
Fieldbus error	–	–	–	red	red	–	–
Status system active	–	–	green	–	green	green	–
error	–	–	red	–	red	red	–
EMC circuit	Power with Polarized circuit protection and built-in surge protection						
Electrical connection							
Power in	AS-Interface clamp	M12 socket 5-pin, A-code	M12 socket 5-pin, A-code	M12 socket 4-pin, A-code	M12 socket 4-pin, A-code	M12 socket 5-pin, A-code	D-Sub 26-pin (high density),
Power out	–	–	–	–	–	M12-Buchse 5-pin, A-code	common GND
Bus in	AS-Interface clamp	M12 socket 5-pin, B-code	M12 socket 5-pin, B-code	M12 socket 5-pin, A-code	M12 socket 5-pin, A-code	–	–
Bus out	–	M12-plug 5-pin, B-code	M12-plug 5-pin, B-code	M12-plug 5-pin, A-code	M12-plug 5-pin, A-code	–	–
Link in	–	–	–	–	–	M8 socket 4-pin	
Link out	–	–	M8-plug 4-pin	–	M8-plug 4-pin	M8-plug 4-pin	–
Address selection	Low voltage switch plug Ø 1.3 mm and Slave selection by DIP-switch	Bus by 2 rotary switches (Adr. 1 ... 99)	Bus by 2 rotary switches (Adr. 1 ... 99) Link over 2 rotary switches (no. of Slaves 1 ... 10)	Bus by 2 rotary switches (Adr. 1 ... 99)	Bus by 2 rotary switches (Adr. 1 ... 99) Link over 2 rotary switches (no. of Slaves 1 ... 10)	Link over 2 rotary switches (no. of bus addresses 1 ... 10)	–
Baud-rate	Bus	–	9,6 kbit/s ... 12 Mbit/s	9,6 kbit/s ... 12 Mbit/s	10 kbit/s ... 1 Mbit/s	10 kbit/s 1 Mbit/s	–
	Link	–	–	250 kbit/s	–	250 kbit/s	250 kbit/s
max. cable length depends on Baud-rate	Bus	–	50...1200 m	50...1600 m	50...1600 m	50...1600 m	–
	Link	–	–	max. 100 m	–	max. 100 m	max. 100 m
Service-Interface		RS232	RS232	RS232	RS232	RS232	–
Bus terminator		over external Profibus-Terminator ²⁾		over external CANopen-Terminator ²⁾		internal Terminator over DIP switch	
Protection	IP 65 acc. EN 60529 in connection with the AIRTEC cable 28-ST-10-M1-26-...						

¹⁾ The status display consumes 0.25 W of the 1.3 W power consumption.

²⁾ Bus termination resistance is available for Profibus-DP and DeviceNet as an accessory (see page 6.056).

