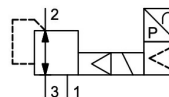


Proportional pressure regulator

Series RE62/RE63



Design type	Electropneumatic diaphragm pressure regulator, pilot-operated via 2/2-way Solenoid valves, 3-digit digital display, Display switchable bar, MPa, PSI
Connection	G1/4"...G1/2" according to ISO228/1
Materials	Housing Aluminium, Seals NBR
Function	Secondary pressure regulation
Mounting type	Installation in piping system, Foot mounting or Mounting bracket for wall mounting
Mounting position	any
Medium	filtered and unoil compressed air or neutral gases
Medium temperature	0...+50°C
Ambient temperature	0...+50°C
Hysteresis	0,5% from Final value
Linearity	±1% from Final value
Repeatability	±0,5% from Final value
Temperature influence	±2% from Final value
Accuracy Display	±2% from Final value
Control time	< 0,5s over the control range
Special versions	Connection NPT, 4 preset regulated pressures via 2 switching inputs
Accessories	connector C012-41-CU20-9, Mountings

Pneumatic Features:

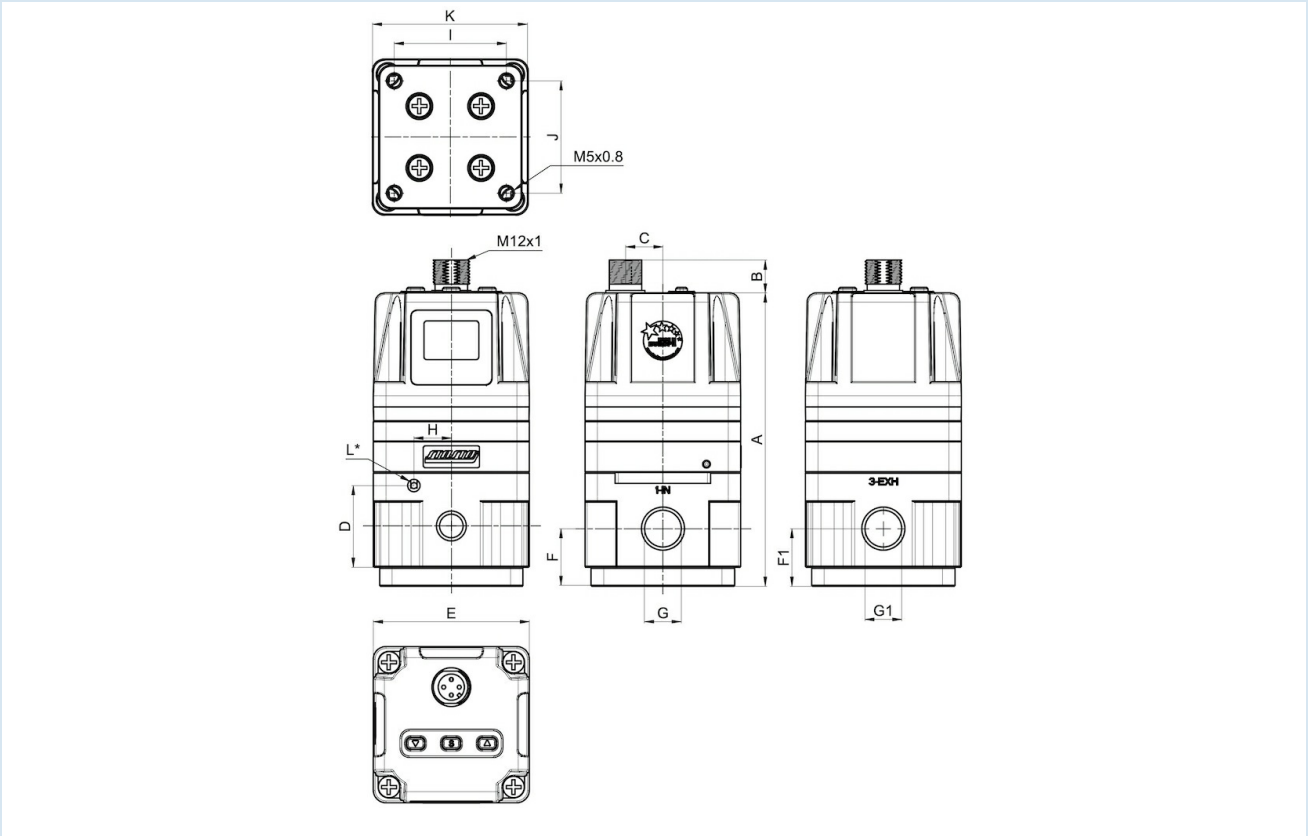
Inlet pressure	max. 10bar, at least 1 bar higher than the maximum regulated pressure
Control ranges	0,05...1 / 0,05...5 / 0,05...9bar
Self air consumption	no internal air consumption

Electrical Data:

Degree of protection	IP65 according to EN 60529 with properly mounted device connector (protection against dust ingress and water jets)
Supply voltage	24VDC ±10%
Power consumption	3W
Input signal	RE62 4...20mA, RE63 0...10V (0...20mA, 0...5V on request)
Output signal	4...20mA (1...5V, Switching output PNP or NPN on request)
Burden	6,5KΩ with voltage actuation 250Ω with electrical actuation
Connection	M12, 4-pin



Dimensions



Connection IN/OUT G	Connection EXH G1	A	B	C	D	E	F	F1	H	I	J	K	L*	Weight [approx. kg]	Type	Type
G1/4"	G1/8"	69,8	10,5	12	19	50	11,4	11,4	14	40	22	50	M3		RE62-14	RE63-14
G1/4"	G1/4"	94	10,5	12	32,3	50	19	19	12	36	36	50	M5		RE62-14H	RE63-14H
G1/2"	G1/2"	115,3	10,5	12	65,6	50	22	25	14	36	36	66	M5		RE62-12	RE63-12

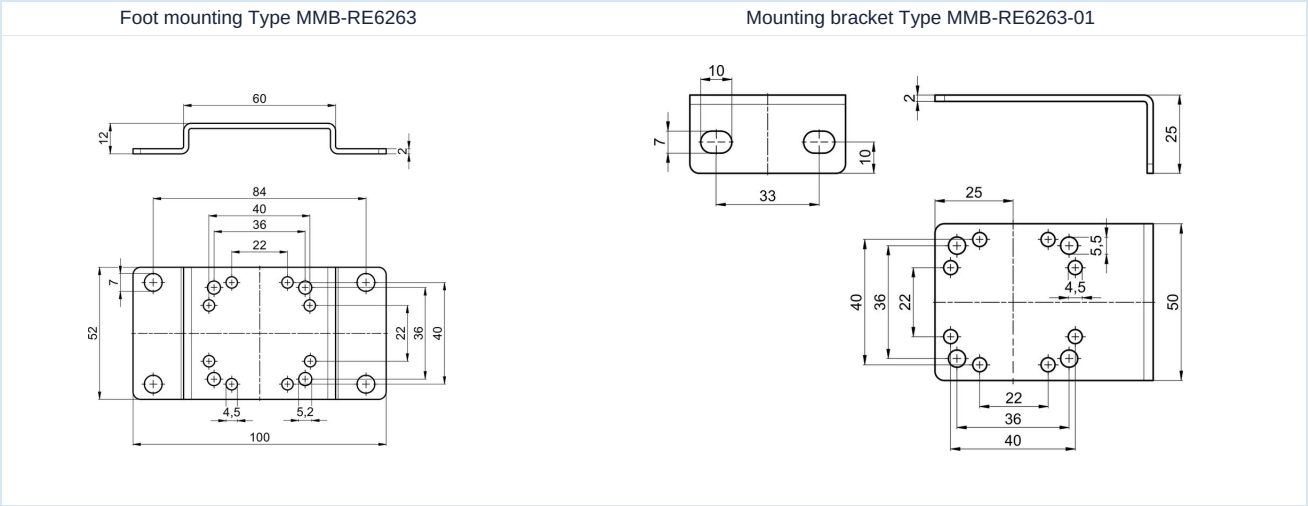
*Exhaust air venting Pilot air

Type RE62, RE63

Thread	Pressure range [bar]	Flow rate* [NI/min]	Type	Type
G1/4"	0,05...1	300	RE62-14-0,05/1	RE63-14-0,05/1
G1/4"	0,05...5	300	RE62-14-0,05/5	RE63-14-0,05/5
G1/4"	0,05...9	300	RE62-14-0,05/9	RE63-14-0,05/9
G1/4"	0,05...1	1600	RE62-14H-0,05/1	RE63-14H-0,05/1
G1/4"	0,05...5	1600	RE62-14H-0,05/5	RE63-14H-0,05/5
G1/4"	0,05...9	1600	RE62-14H-0,05/9	RE63-14H-0,05/9
G1/2"	0,05...1	6000	RE62-12-0,05/1	RE63-12-0,05/1
G1/2"	0,05...5	6000	RE62-12-0,05/5	RE63-12-0,05/5
G1/2"	0,05...9	6000	RE62-12-0,05/9	RE63-12-0,05/9

*Flow rate data at inlet pressure of 10bar, outlet pressure of 6bar and 1bar Pressure drop

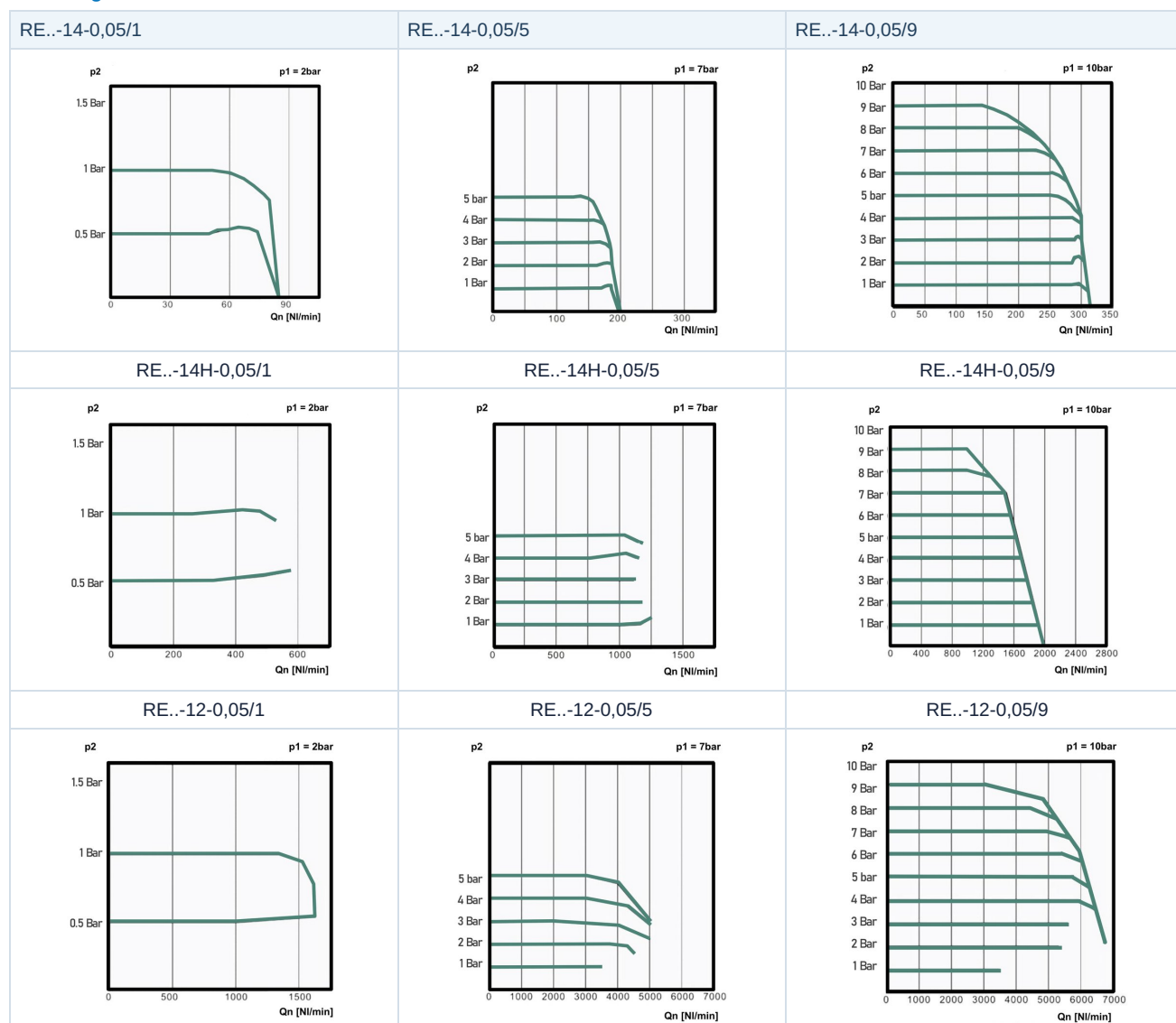
Accessories



Connection diagram, Core colors Socket M12x1 including cable 2m Type C012-41-CU20-9

	Description	5-core	Pin
	V+ Supply	brown	1
	Input signal +	white	2
	V- Supply, Input signal -, Output signal -	blue	3
	Output signal +	black	4

Flow diagrams



Illustrations non-binding

Design, dimensional and material changes reserved

Pneumatics / Regulators, filters and lubricators / Other materials - P07 / Proportional pressure regulating valve Series RE63

