

2/2-Wege Coaxialventil 2/2-way coaxial valve

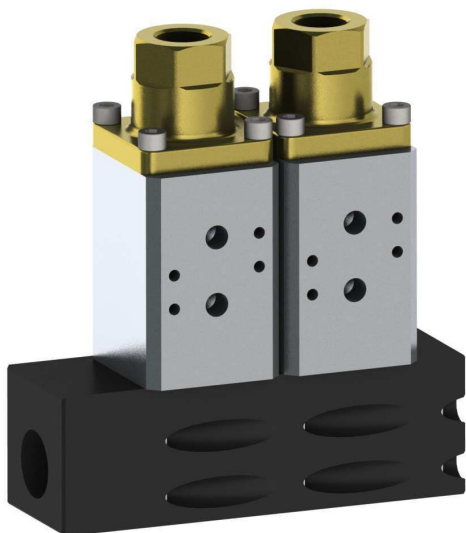
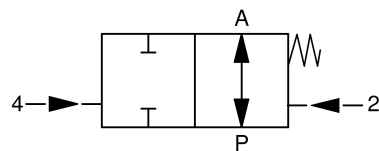
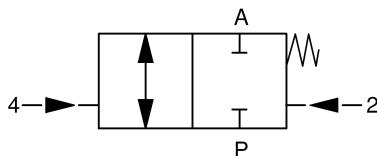
Baureihe 280-X / 281-X / 282-X Type 280-X / 281-X / 282-X

**fremdgesteuert
Modulbauweise**

**externally controlled
modular design**

Schaltfunktion A: NC (stromlos geschlossen)
function A: NC (normally closed)

Schaltfunktion B: NO (stromlos offen)
function B: NO (normally open)



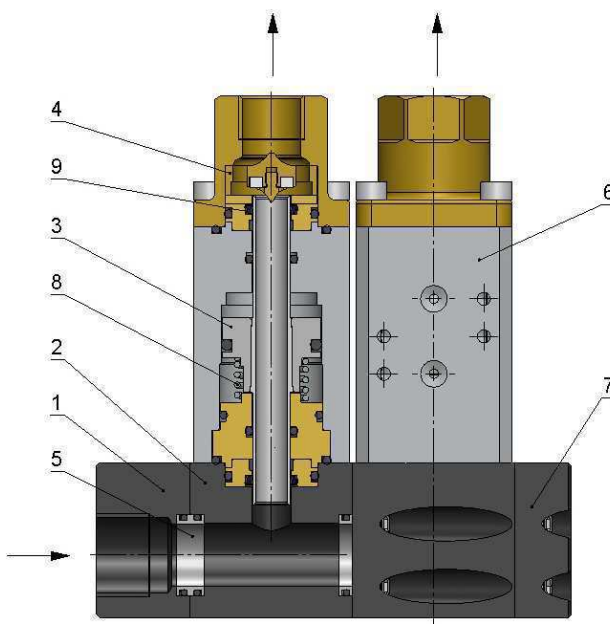
Nennweite	DN 10 - 32	diameter	DN 10 - 32
Druckbereich	0 – max. 160bar gegendrückt bis max. 16bar	pressure range	0 – max. 160bar backpressure leakproof up to max. 16bar
Gehäusewerkstoff	Einzelventil: Messing Block: Aluminium	body material	single valve: brass block: aluminium
Dichtwerkstoff	statisch: FKM dynamisch: FKM, PTFE Sitzdichtung: PTFE	seal material	static: FKM dynamic: FKM, PTFE seat seal: PTFE
Temperatur	Medium: -10 bis +100°C Umgebung: -10 bis +50°C	temperature	media: -10 up to +100°C ambient: -10 up to +50°C
Anschluss	Ventil: G1/4 – G1 1/2 Block: G1/2 – G2	connection	valve: G1/4 – G1 1/2 block: G1/2 – G2
Durchflußrichtung	P → A max. 160bar A → P max. 16bar	flow direction	P → A max. 160bar A → P max. 16bar
Antriebsteil	doppelt wirkender Kolben mit Rückstellfeder	actuating part	double acting piston with spring return
Steuerdruck	3 – 8bar Anschlüsse 2+4 (G1/4) Schnittstelle nach NAMUR	control pressure	3 – 8bar connections 2+4 (G1/4) port according to NAMUR
Schaltzeiten	Öffnen / Schließen 50 – 1000ms Abhängig vom Steuerdruck, Pilotventil (Option) und Abluftdrosseln (Option)	switching time	opening / closing 50 – 1000ms depending on operating pressure, pilot valve (option) and exhaust air throttle (option)
Einbaulage	beliebig	mounting	in any position

2/2-Wege Coaxialventil
2/2-way coaxial valve

Baureihe 280-X / 281-X / 282-X
Type 280-X / 281-X / 282-X

Baureihe type	DN [mm]	Druck pressure range [bar]	Anschluss connection	K _v -Wert flow rate [m³/h]	Gewicht - Messing weight - brass [kg]
280-X	10	0 – 64	G1/4, G3/8, G1/2	2,7	1,5
280-X	15	0 – 64	G3/8, G1/2, G3/4	6,6	3,2
280-X	20	0 – 64	G1/2, G3/4, G1	9,4	4,0
280-X	25	0 – 64	G3/4, G1, G1 1/4	14,5	5,3
280-X	32	0 – 64	G1, G1 1/4, G1 1/2	20,0	6,9
281-X	10	0 – 120	G1/4, G3/8, G1/2	2,7	1,5
281-X	15	0 – 120	G3/8, G1/2, G3/4	6,6	3,2
281-X	20	0 – 120	G1/2, G3/4, G1	9,4	4,0
281-X	25	0 – 120	G3/4, G1, G1 1/4	14,5	5,3
281-X	32	0 – 100	G1, G1 1/4, G1 1/2	20,0	6,9
282-X	10	0 – 160	G1/4, G3/8, G1/2	2,7	1,5
282-X	15	0 – 160	G3/8, G1/2, G3/4	6,6	3,2
282-X	20	0 – 160	G1/2, G3/4, G1	9,4	4,0
282-X	25	0 – 160	G3/4, G1, G1 1/4	14,5	5,3

Schnittzeichnung
sectional drawing

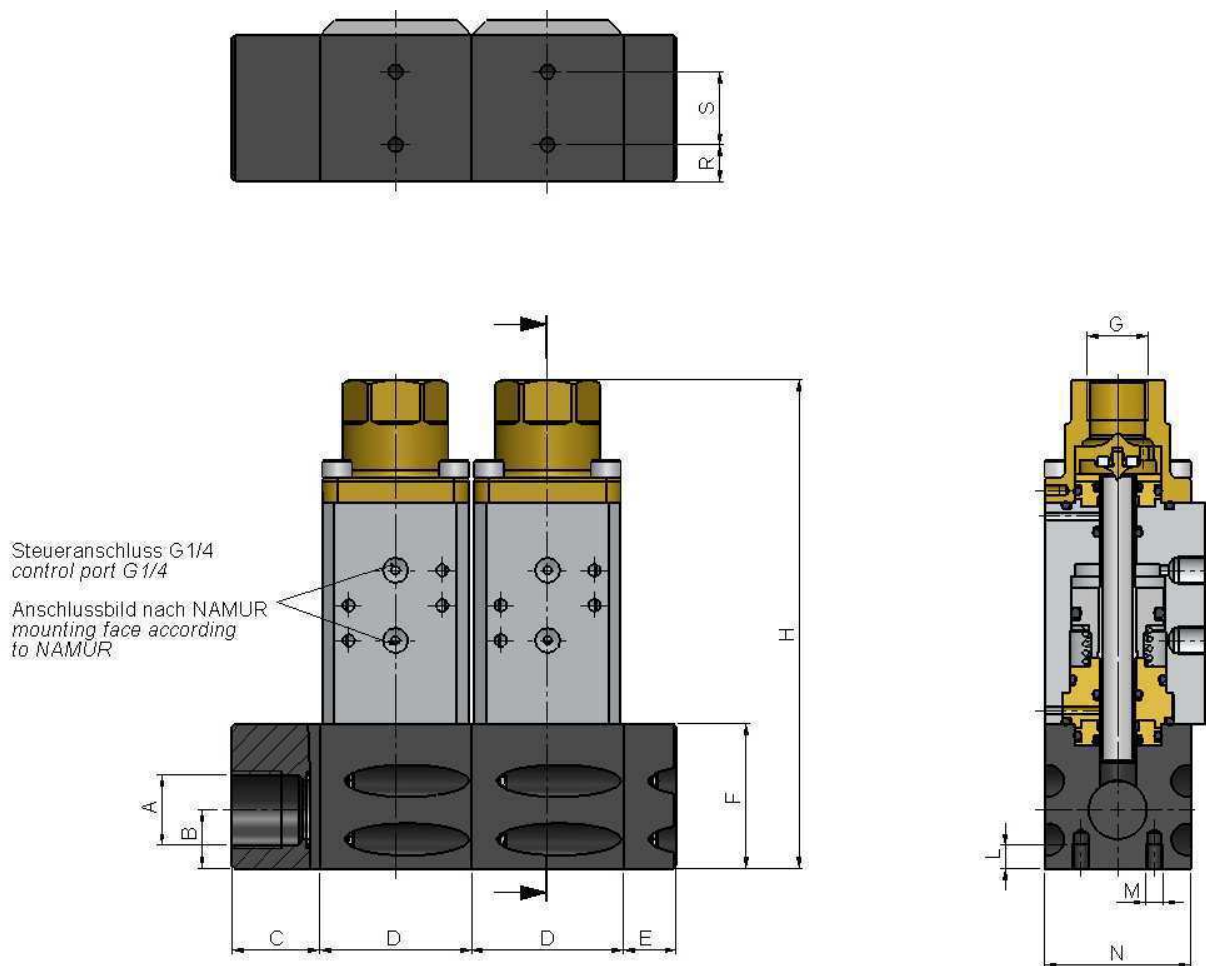


Pos. pos.	Menge quantity	Benennung	description
1	1	Anschlussst ck links	fitting left
2	2	Blockmodul	block module
3	2	Kolben	piston
4	2	Ventilsitz	valve seat
5	3	Distanzst ck	distance piece
6	2	Zylinder	cylinder
7	1	Abschlussdeckel	end cover
8	1	Feder	spring
9	2	PTFE-Stangendichtung	PTFE-rod seal

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Maßzeichnung
dimension drawing



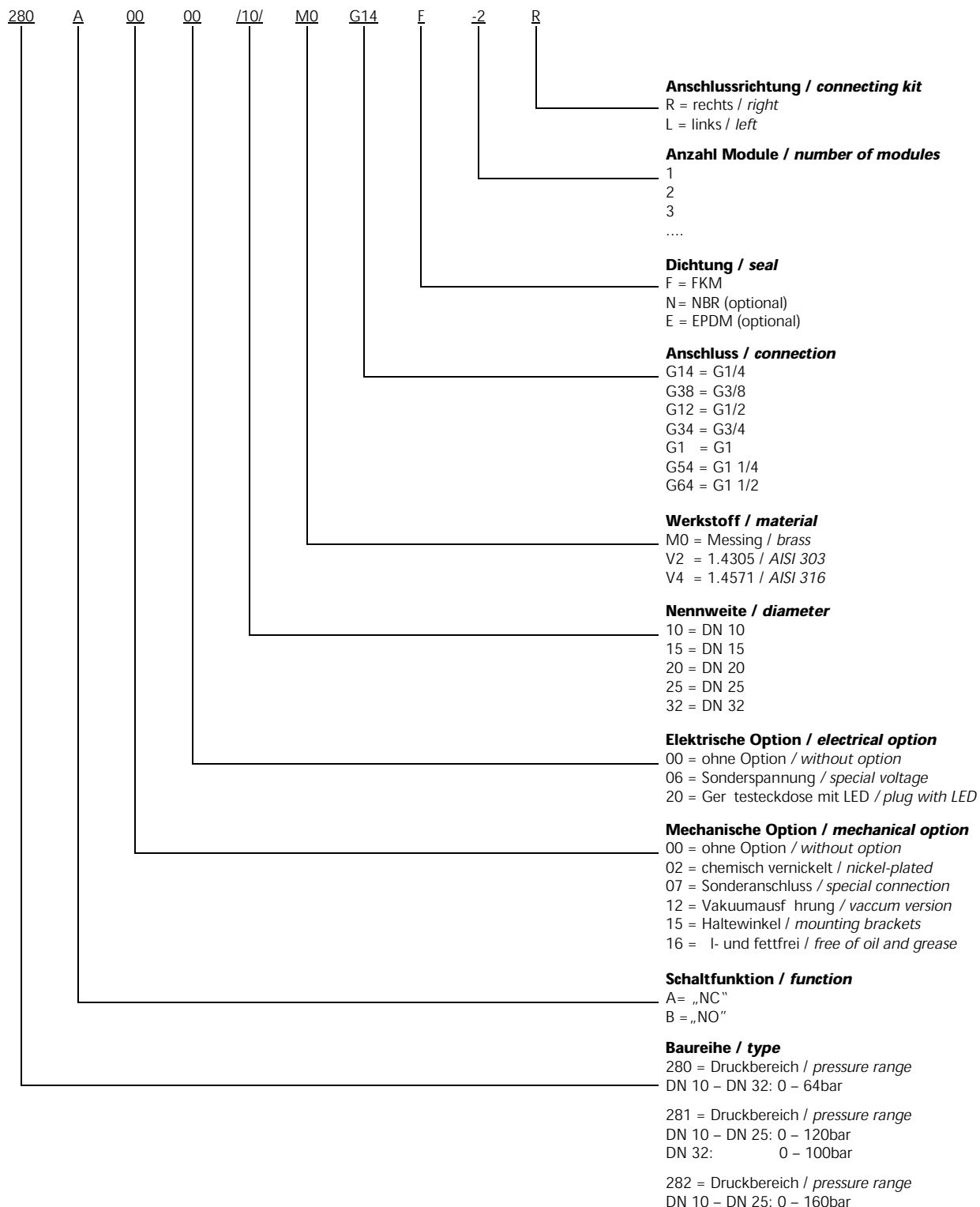
DN [mm]	A	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	G	L [mm]	M [mm]	N [mm]	R [mm]	S [mm]
10	G1/2, G3/4, G1	20	42	52	18	49,5	167	1/4, 3/8, 1/2	8	M6	50	13	25
15	G1/2, G3/4, G1, G1 1/4	28	42	72	27	69,5	207	3/8, 1/2, 3/4	8	M6	70	21	28
20	G1, G1 1/4, G1 1/2	34	32	82	32	79,5	235	1/2, 3/4, 1	10	M8	80	25	34
25	G1, G1 1/4, G1 1/2	36	32	92	32	89,5	265	3/4, 1, 1 1/4	10	M8	90	20	50
32	G1 1/4, G1 1/2, G2	44	34	93	34	99,5	287	1, 1 1/4, 1 1/2	10	M8	90	21	50

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Typenschlüssel type code

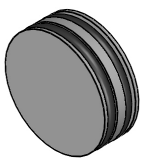
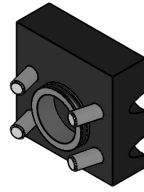
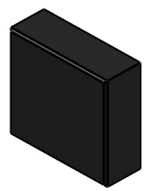
Die Typenbezeichnung setzt sich zusammen aus:
structure of the order specification:

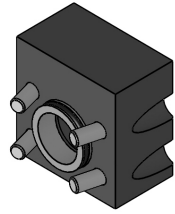
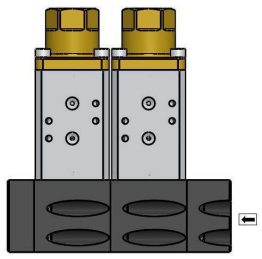
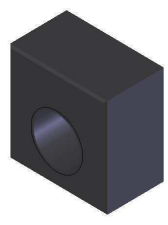
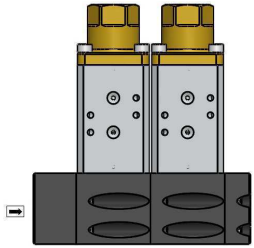


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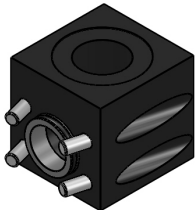
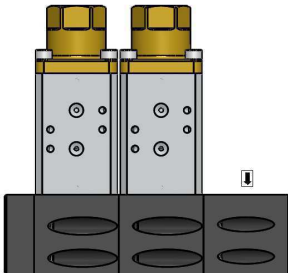
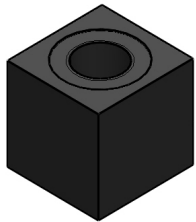
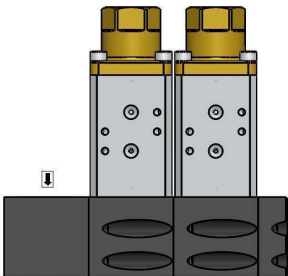
Zubeh r accessories

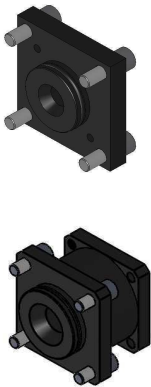
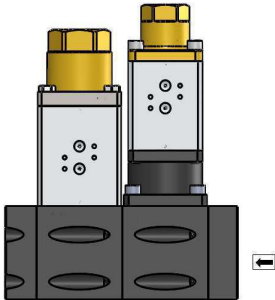
Verbindungsst cke connecting pieces		Abschlussst cke end covers	
	Trennscheibe isolation disc		Abschlussst ck rechts end cover right
	Distanzst ck distance piece		Abschlussst ck links end cover left

Anschlussst cke connection parts		
	Anschlussst ck rechts connection part right	
	Anschlussst ck links connection part left	

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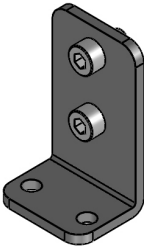
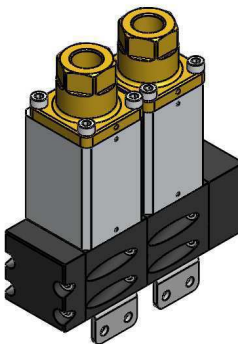
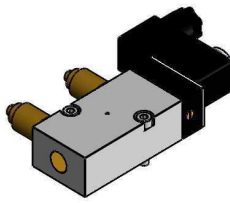
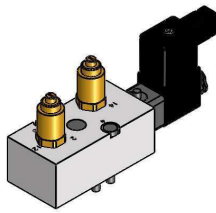
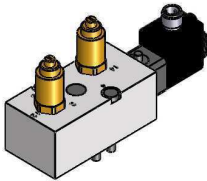
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	Anschlussstück rechts Eckausführung G1 nach oben <i>connection part right 90° G1</i>	
	Anschlussstück links Eckausführung G1 nach oben <i>connection part left 90° G1</i>	

Reduzieradapter reducing adapters		
	Reduzieradapter <i>reducing adapter from</i> DN 15 auf / to DN 10 DN 25 auf / to DN 10 DN 25 auf / to DN 15 DN 32 auf / to DN 20	

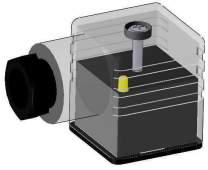
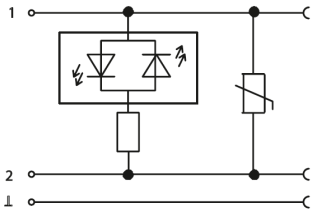
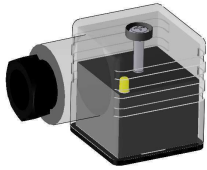
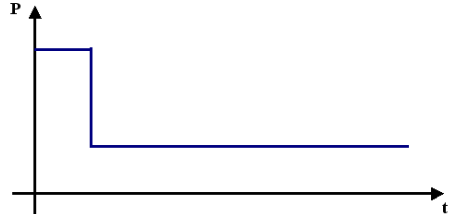
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Weitere Optionen further options		
	Haltewinkel <i>mounting brackets</i> mechanische Option = 15 <i>mechanical option = 15</i>	
	Abluftdrossel <i>exhaust air throttle</i> G1/8 G1/4	
	Schalldämpfer Sinterbronze <i>silencer of sinter bronze casting</i> G1/8 G1/4	
	5/2-Wege Pilotventil (NAMUR) zum Anflanschen Anschlüsse seitlich <i>5/2-way pilot valve (NAMUR) to flange connections laterally</i> 24V DC 230V 50Hz	
	5/2-Wege Pilotventil (NAMUR) zum Anflanschen Anschlüsse oben <i>5/2-way pilot valve (NAMUR) to flange connections above</i> 24V DC 230V 50Hz	
	5/2-Wege Pilotventil (NAMUR) zum Anflanschen Anschlüsse oben Magnet M12x1 <i>5/2-way pilot valve (NAMUR) to flange connections above solenoid M12 x 1</i> 24V DC 230V 50Hz	

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	Ger testeckdose mit LED <i>plug with LED</i> elektrische Option = 20 <i>electrical option = 20</i>	
	Ger testeckdose mit Leistungsabsenkung 24V DC Bauform A <i>plug with power reduction form A</i> elektrische Option = 07 <i>electrical option = 07</i>	
	Sonderschutzart <i>explosion proof</i> II 2G Ex m II T4 II 3D IP65 T130°C elektrische Option = 13 <i>electrical option = 13</i>	der Betriebsdruck ist bei Ex-Ausführung um ca. 20% reduziert <i>operating pressure is reduced by 20% in Ex specification</i>

Weitere Optionen und Zubehör stimmen wir gerne auf Ihre Anforderungen ab.
We gladly coordinate further options and accessories according to your requirements.