1.2

Solenoid valves, ISO 5599-1 Product range overview

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Function	Version	Туре	ISO size	Nominal flow rate	Pneumatic working port on sub-base	Operating voltage							
				[l/min]		[V DC]	[V AC]						
5/2-way valves,	Solenoid valv	e											
single solenoid		MN1H	1	1,200	G1/4	24	110, 230						
			2	2,300	G3/8								
			3	4,500	G1/2								
	***	MFH	1	1,200	G1/4	12, 24, 42, 48	24, 42, 48,						
			2	2,300	G3/8		110, 230, 240						
			3	4,500	G1/2								
		MDH	4	6,000	G3/4	24	42, 110, 230						
	Solenoid valve with central plug M12x1												
		MEBHZSR	1	1,200	G1/4	24	Ī-						
			2	2,300	G ³ /8	7							
	V		3	4,500	G1/2								
		L	L	L	L								
	Solenoid valve with single plug M12x1, connector pin allocation to VDMA or Desina												
		MDH	1	1,200	G1/4	24	-						
			2	2,300	G3/8								
			3	4,500	G ¹ / ₂								
		•	•		•	•	•						
/2-way valves,	Double solenoid valve												
louble solenoid	JMN1H	1	1,200	G1/4	24	110, 230							
			2	2,300	G3/8								
	9		3	4,500	G ¹ / ₂								
	Double solenoid valve with dominant signal at 14												
	Double solelic	JMN1DH	1	1,200	G1/4	24	110 230						
		JMMIDII	2	2,300	G3/8		110, 230						
			3	4,500	G ¹ / ₂								
)	4,300	072		1						
	Double soleno	nid valve											
	(See	JMFH	1	1,200	G ¹ / ₄	12, 24, 42, 48	24, 42, 48,						
		,	2	2,300	G3/8		110, 230, 240						
			3	4,500	G½								
			l*	.,			1						
	Double soleno	oid valve with dominan	t signal										
	. 1949	JMFDH	1	1,200	G1/4	12, 24, 42, 48	24, 42, 48,						
		ľ	2	2,300	G3/8	T	110, 230, 240						
			3	4,500	G½	7							
	<u> </u>	L	L	1			1						
	Double soleno				_								
		JMDH	4	6,000	G3/4	24	42, 110, 230						
		_	_										

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Solenoid valves, ISO 5599-1 Product range overview

Туре	Pilot air supply		Type of reset pneumatic		→ Page
	internal	internal external		mechanical	
			spring	spring	
Solenoid valve					
MN1H					2 / 1.2-18
			•		
				•	
MFH					2 / 1.2-30
			-	-	
			•	•	
MDH	-	-	-	-	2 / 1.2-65
Solenoid valve wit	h central plug M12x1				
MEBHZSR	■	-			2 / 1.2-41
		-	•	•	
		-	•	•	
Solenoid valve wit	h single plug M12x1, connecto	r pin allocation to VDMA or D	esina		
MDH					2 / 1.2-30
		-			
		-		•	
					•
Double solenoid va	ilve				
JMN1H			_	_	2 / 1.2-22
			-	-	
			-	-	
	lve with dominant signal at 14				
JMN1DH		•	-	-	2 / 1.2-22
		•	-	-	
			_	_	
Double solenoid va		_			10/1001
JMFH		-	-	-	2 / 1.2-34
	-	-	-	-	
			-	-	
Dankla at 12					
	alve with dominant signal at 14				2/422/
JMFDH	-	-	_	_	2 / 1.2-34
	-	-	-	-	
		-	-	-	
Dauble actions!	due				
Double solenoid va					2/42/0
JMDH	-	-	-	-	2 / 1.2-68
		-	-	-	

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Solenoid valves, ISO 5599-1 Product range overview



Function	Version	Туре	Type ISO size		Pneumatic working port on sub-base	Operating voltage						
				[l/min]	•	[V DC]	[V AC]					
5/2-way valves,	Double solen	oid valve with central	plug M12x1									
double solenoid		JMEBH	1	1,200	G1/4	24 V DC	-					
		7	2	2,300	G3/8							
			3	4,500	G ¹ / ₂							
	Double solenoid valve with central plug M12x1, dominant signal at 14											
		JMEBDH	1	1,200	G1/4	24 V DC	-					
			2	2,300	G3/8							
			3	4,500	G ¹ / ₂							
	Double solenoid valve with single plug M12x1, connector pin allocation to VDMA or Desina											
		JMDH	1	1,200	G1/4	24 V DC	-					
			2	2,300	G3/8							
			3	4,500	G ¹ / ₂							
	Double solen	oid valve with single p	olug M12x1, connector p	oin allocation to VDM	A or Desina, dominant si	gnal at 14						
	. 🔊	JMDDH	1	1,200	G1/4	24 V DC	-					
			2	2,300	G3/8							
			3	4,000	G½							
				•	•		•					

Function	Version	Туре	e ISO size		Pneumatic working port on sub-base	Operating voltag		
				[l/min]		[V DC]	[V AC]	
5/3-way valves	Solenoid valv	re						
		MN1H-5/3	1	1,200	G1/4	24	110,230	
			2	2,300	G3/8			
			3	4,100	G ¹ / ₂			
	(%).D	MFH-5/3	1	1,200	G1/4	12, 24, 42, 48	24, 42, 48,	
		, , , , , , , , , , , , , , , , , , , ,	2	2,300	G3/8	1 , , , , ,	110, 230, 240	
			3	4,100	G ¹ / ₂			
		MDH-5/3	4	6,000	G3/4	24	110, 230	
	•							
	Solenoid valv	re with central plug M12x1						
	Solenoid valv	re with central plug M12x1 MEBH-5/3ZSR	1	1,200	G ¹ / ₄	24	-	
	Solenoid valv	· · · · · · · · · · · · · · · · · · ·	1 2	1,200 2,300	G½ G¾	24	-	
	Solenoid valv	· · · · · · · · · · · · · · · · · · ·				24	-	
		MEBH-5/3ZSR	3	2,300 4,100	G ³ / ₈ G ¹ / ₂	24	-	
		· · · · · · · · · · · · · · · · · · ·	3	2,300 4,100	G ³ / ₈ G ¹ / ₂	24	-	
		MEBH-5/3ZSR The with single plug M12x1, co	2 3 onnector pin alloc	2,300 4,100 cation to VDMA or Des	G3/8 G1/2			

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Solenoid valves, ISO 5599-1 Product range overview

Туре	Pilot air supply		Type of reset	Type of reset			
	internal	external	pneumatic spring	mechanical spring			
Double solenoid v	valve with central plug M12x1						
JMEBH		-	-	-	2 / 1.2-45		
		-	-	-			
		-	-	_			
		-					
Double solenoid v	alve with central plug M12x1	, with dominant signal					
JMEBDH		-	_	1	2 / 1.2-45		
		-	-	-			
		-	-	-			
Double solenoid v	alve with single plug M12x1,	connector pin allocation to VD	MA or Desina				
JMDH		-	_	1	2 / 1.2-34		
		-	-	-			
		-	-	-			
Double solenoid v	alve with single plug M12x1,	connector pin allocation to VD	MA or Desina, dominant signal a	it 14			
JMDDH		-	-	_	2 / 1.2-34		
		-	_	-			
	•	-	_	_	1		

Туре	Pilot air supply		Mid position	Mid position					
	internal	external	closed	exhausting	pressurised				
Solenoid valve									
MN1H-5/3				•	•	2 / 1.2-26			
			•		•				
MFH-5/3						2 / 1.2-37			
·		•	•	•	•				
					•				
MDU 5/2						2/4274			
MDH-5/3		-	•	•	-	2 / 1.2-71			
Solenoid valve with cer			_			1-4			
MEBH-5/3ZSR		-		•	•	2 / 1.2-49			
	•	-	•	•	•				
		-							
Solenoid valve with sin	gle plug M12x1. co	nnector pin allocation to V	/DMA or Desina						
MDH-5/3	■	-	•	•	-	2 / 1.2-37			
		_							
		-							
				•	•	•			

Pneumatic valves, ISO 5599-1 Product range overview

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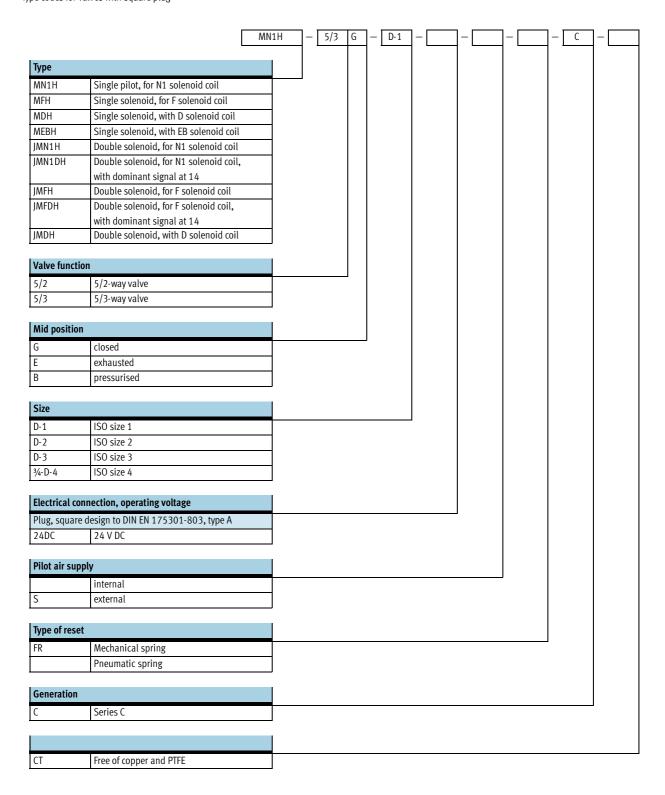
Function	Version	Туре	ISO size	Nominal flow	Pneumatic	Type of reset	→ Page						
			rate [l/min]	working port on sub-base	pneumatic spring	mechanical spring							
5/2-way valves	Pneumatic valve, single pilot												
	A \$30	VL	1	1,200	G1/4			2 / 1.2-78					
			2	2,300	G3/8								
	N N		3	4,500	G ¹ / ₂								
			4	6,000	G3/4								
	Pneumatic double pilot valve												
	J.	J	1	1,200	G1/4	_	_	2 / 1.2-82					
			2	2,300	G3/8	-	-						
			3	4,500	G ¹ / ₂		-						
			4	6,000	G ³ / ₄	-	-						
	Pneumatic doub	le pilot valve w	ith dominant si	gnal at 14									
		JD	1	1,200	G1/4	_	_	2 / 1.2-82					
			2	2,300	G3/8	-	-						
	19		3	4,500	G½	-	-						

Function	Version	Туре	ISO size	Nominal flow rate [l/min]	Pneumatic working port on sub-base	Mid position closed	exhausted	pressurised	→ Page
5/3-way valves Pneumatic valve									
		VL5/3	1	1,200	G1/4				2 / 1.2-85
			2	2,300	G3/8				
			3	4,100	G ¹ / ₂				
			4	4,800	G3/4				

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Solenoid valves, ISO 5599-1

Type codes for valves with square plug

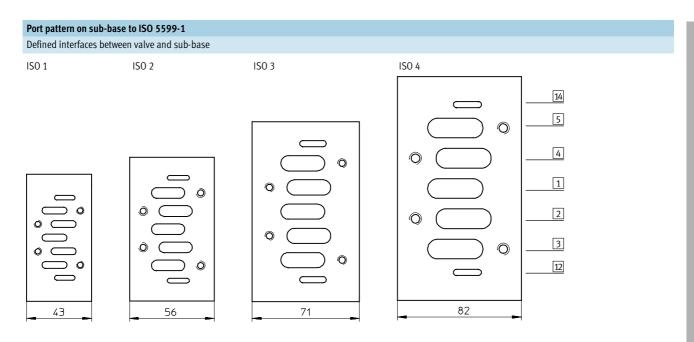


Solenoid valves, ISO 5599-1 Type codes for valves with round plug



		MDH	5/3 G	j	- D-1	- <u> </u>	-	-	- C	-
Туре										
MDH	Single solenoid, with D solenoid coil									
MEBH	Single solenoid, with EB solenoid coil									
JMDH	Double solenoid, for D solenoid coil									
JMDDH	Double solenoid, for D solenoid coil,									
Jilloon	with dominant signal at 14									
JMEBH	Double solenoid, with EB solenoid coil	1								
JMEBDH	Double solenoid, with EB solenoid coil									
JIMEDDII	with dominant signal at 14	,								
	With dominant signat at 14									
Valve funct	ion									
5/2	5/2-way valve									
5/3	5/3-way valve									
Mid positio	n									
G	closed									
E	exhausted									
В	pressurised									
l .	1.									
Size										
D-1	ISO size 1					•				
D-2	ISO size 2									
D-3	ISO size 3									
Electrical co	onnection, operating voltage									
	g, round design, M12x1									
ZSR	24 V DC									
2011	121100									
Individual r	olug, round design, M12x1									
M12	24 V DC									
2	121100									
Pin allocati	on									
	2-pin to VDMA							l		
D	4-pin to Desina									
	1 '									
Pilot air su	pply									
	internal								1	
S	external									
Type of rese	et									
FR	Mechanical spring									J
	Pneumatic spring									
Generation										
С	Series C									
-	Series C									

Solenoid valves, ISO 5599-1 Peripherals overview



Sub-	-base port designations							
		Solenoid valves	Pneumatic valves					
14	Control section	External pilot air supply for pilot valve 14	Signal input 14					
5	Power section	Valve exhaust port 5						
4	Power section	Working port 4						
1	Power section	Working air supply port 1						
2	Power section	Working port 2						
3	Power section	Valve exhaust port 3						
12	Control section	External pilot air supply for pilot valve 12 Signal input 12						

Individual mounting with square plug

