

1

Pneumatic - Spring	3/2	Ordering code 228.11.1	5/2	Pneumatic - Spring			
 		T TYPE 32 = 3 ways 52 = 5 ways		 			
Weight gr. 110 Minimum piloting pressure 2,5 bar				Weight gr. 130 Minimum piloting pressure 2,5 bar			
Operational characteristics	Fluid Filtered and lubricated air	Max working pressure 10 bar	Operating Temperature Min. -5°C Max. +70°C	Flow rate at 6 bar with $\Delta p=1$ 540 Nl/min	Orifice size mm 6	Working port size G 1/8"	Pilot port size G 1/8"

Pneumatic - Differential external	3/2	Ordering code 228.11.12	5/2	Pneumatic - Differential external			
 		T TYPE 32 = 3 ways 52 = 5 ways		 			
Weight gr. 140 Minimum piloting pressure 2,5 bar				Weight gr. 160 Minimum piloting pressure 2,5 bar			
Operational characteristics	Fluid Filtered and lubricated air	Max working pressure 10 bar	Operating Temperature Min. -5°C Max. +70°C	Flow rate at 6 bar with $\Delta p=1$ 540 Nl/min	Orifice size mm 6	Working port size G 1/8"	Pilot port size G 1/8"

Pneumatic - Differential self aligned	3/2	Ordering code 228.11.12/1	5/2	Pneumatic - Differential self aligned			
 		T TYPE 32 = 3 ways 52 = 5 ways		 			
Weight gr. 130 Minimum piloting pressure 2,5 bar				Weight gr. 150 Minimum piloting pressure 2,5 bar			
Operational characteristics	Fluid Filtered and lubricated air	Max working pressure 10 bar	Operating Temperature Min. -5°C Max. +70°C	Flow rate at 6 bar with $\Delta p=1$ 540 Nl/min	Orifice size mm 6	Working port size G 1/8"	Pilot port size G 1/8"



1

Pneumatic - Pneumatic	3/2	Ordering code 228.11.11	5/2	Pneumatic - Pneumatic				
		TYPE 32 = 3 ways 52 = 5 ways						
		Weight gr. 140 Minimum piloting pressure 2 bar			Weight gr. 160 Minimum piloting pressure 2 bar			
Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +70°C	540 NI/min	mm 6	G 1/8"	G 1/8"

Amplified pneumatic - Spring	3/2	Ordering code 228.13.1	5/2	Amplified pneumatic - Spring				
		TYPE 32 = 3 ways 52 = 5 ways						
		Weight gr. 260 Minimum piloting pressure 0,5 bar			Weight gr. 290 Minimum piloting pressure 0,5 bar			
Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +70°C	540 NI/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Pneumatic			5/3					
Ordering code 228.53.F.11.11				Weight gr. 180 Minimum piloting pressure 3 bar				
FUNCTION F 31 = Closed centres 32 = Open centres 33 = Pressured centres								
Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working port size	Pilot port size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +70°C	410 NI/min	mm 6	G 1/8"	G 1/8"

1

Pneumatic - Spring	3/2	Ordering code T228.11.1	5/2	Pneumatic - Spring
<p>Weight gr. 65 Minimum operating pressure 2,5 bar</p>				<p>Weight gr. 78 Minimum operating pressure 2,5 bar</p>

Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working ports size	Pilot ports size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	620 Nl/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Differential (external)	3/2	Ordering code T228.11.12	5/2	Pneumatic - Differential (external)
<p>Weight gr. 74 Minimum operating pressure 2,5 bar</p>				<p>Weight gr. 86 Minimum operating pressure 2,5 bar</p>

Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working ports size	Pilot ports size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	620 Nl/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Differential self-feeding	3/2	Ordering code T228.11.12/1	5/2	Pneumatic - Differential self-feeding
<p>Weight gr. 70 Minimum operating pressure 2,5 bar</p>				<p>Weight gr. 82 Minimum operating pressure 2,5 bar</p>

Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working ports size	Pilot ports size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	620 Nl/min	mm 6	G 1/8"	G 1/8"



1

Pneumatic - Pneumatic	3/2	Ordering code T228.1.11.11	5/2	Pneumatic - Pneumatic	
		<p>TYPE</p> <p>32 = 3 ways</p> <p>52 = 5 ways</p>			
Weight gr. 77 Minimum operating pressure 2 bar				Weight gr. 90 Minimum operating pressure 2 bar	

Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working ports size	Pilot ports size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	620 NI/min	mm 6	G 1/8"	G 1/8"

Pneumatic - Pneumatic 3 positions				5/3
Ordering code T228.53.F.11.11				
FUNCTION				
F 32 = Open Centres 33 = Pressured Centres				
Weight gr. 110 Minimum operating pressure 3 bar				

Operational characteristics	Fluid	Max working pressure	Operating Temperature		Flow rate at 6 bar with $\Delta p=1$	Orifice size	Working ports size	Pilot ports size
	Filtered and lubricated air	10 bar	Min. -5°C	Max. +50°C	410 NI/min	mm 6	G 1/8"	G 1/8"