



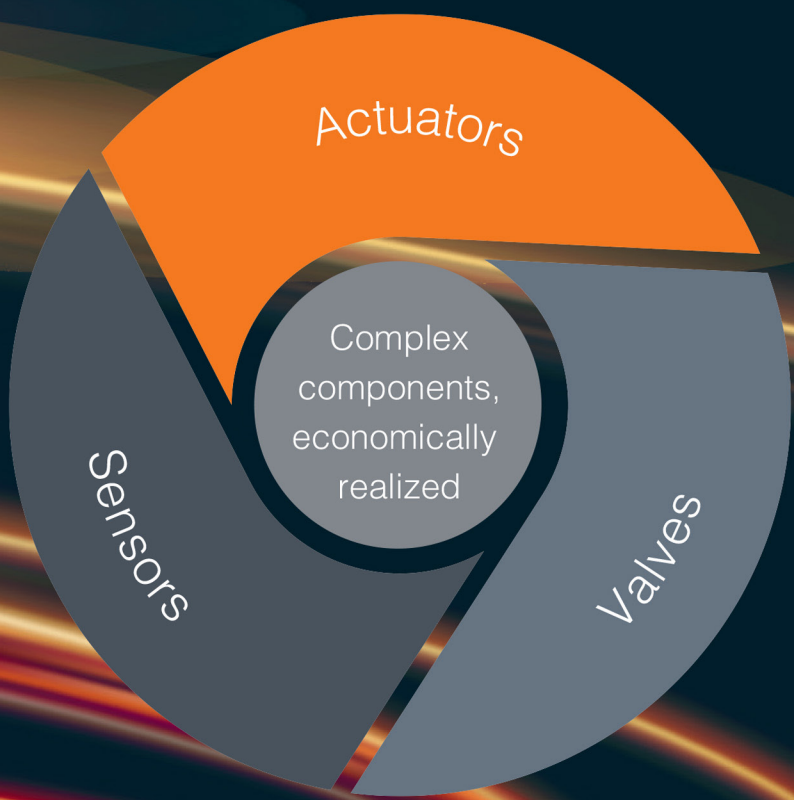
Based on our Competence and our strategic managed company, we strive to be the Partner of Choice for our customers.

Due to our Products and Performances, we are the strategic partner for reputable and sizeable companies in the HVAC markets.

Adapted on our Competence, we grow our profile and our brand name and accomplish a continuous Growth.

We aim to be a True Partner, we understand the needs of our customers and support them with our know-how.

Our solutions are always Customer Orientated.



Actuators

Complex components,
economically
realized

Sensors

Valves






















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Power Supply	Control	Torque	Running Time	Picture	Order Code	Feedback Signal	Auxiliary Switch	Electrical Connection	Shaft Coupling	IP Rating	Country of Origin										
24V AC/DC	2 / 3 Point	5Nm	60...120s		225-024T-05	n.a.	n.a.	Screw Terminals	□8-12 mm / ∅ 8-16 mm	IP52	Germany										
					225-024T-05-S2		2x SPDT														
		8Nm	20s	60s		227-024-08E	n.a.	n.a.	1m Cable	∅ 8-15 mm / ∅ 8-20 mm	IP54	Germany									
						227-024-08E-S1		1x SPDT													
						227-024-08G		n.a.													
						227-024-08G-S1		1x SPDT													
						227-024-08I		n.a.													
						227-024-08I-S1		1x SPDT													
						227-024-08J		n.a.													
						227-024-08J-S1		1x SPDT													
		16Nm	75s	100s		227-024-16H	n.a.	n.a.	1m Cable	∅ 8-15 mm / ∅ 8-20 mm	IP54	Germany									
						227-024-16H-S1		1x SPDT													
						227-024-16I		n.a.													
						227-024-16I-S1		1x SPDT													
						227-024-16J		n.a.													
						227-024-16J-S1		1x SPDT													
		20Nm	150s	150s		363-024-20	n.a.	n.a.	1m Cable	□9-18 mm / ∅ 9-26 mm	IP54	Germany									
						363-024-20-S2		2x SPDT													
						363-024-30		n.a.													
						363-024-30-S2		2x SPDT													
						363-024-40		n.a.													
						363-024-40-S2		2x SPDT													
						363-024-60/8F14		n.a.													
						363-024-60-S2/8F14		2x SPDT													
						30Nm		150s					150s		363-024-30	n.a.	n.a.	1m Cable	□9-18 mm / ∅ 9-26 mm	IP54	Germany
															363-024-30-S2		2x SPDT				
		40Nm	150s	150s		363-024-40	n.a.	n.a.	1m Cable	□9-18 mm / ∅ 9-26 mm	IP54	Germany									
						363-024-40-S2		2x SPDT													
60Nm	150s	150s		363-024-60/8F14	n.a.	n.a.	1m Cable	Form fit □14mm	IP54	Germany											
				363-024-60-S2/8F14		2x SPDT															

Power Supply	Control	Torque	Running Time	Picture	Order Code	Feedback Signal	Auxiliary Switch	Electrical Connection	Shaft Coupling	IP Rating	Country of Origin
24V AC/DC	0(2)...0-10V	5Nm	60...120s		225C-024T-05	0(2)...10V	n.a.	Screw Terminals	□ 8-12 mm / Ø 8-16 mm	IP52	Germany
					225C-024T-05-S2		2x SPDT				
		8Nm	20s		227C-024-08E	0(2)...10V	n.a.	1m Cable	∅ 8-15 mm / Ø 8-20 mm	IP54	Germany
					227C-024-08E-S1		1x SPDT				
					227C-024-08G		n.a.				
					227C-024-08G-S1		1x SPDT				
					227C-024-08I		n.a.				
					227C-024-08I-S1		1x SPDT				
					227C-024-08J		n.a.				
					227C-024-08J-S1		1x SPDT				
		16Nm	75s		227C-024-16H	0(2)...10V	n.a.	1m Cable	∅ 8-15 mm / Ø 8-20 mm	IP54	Germany
					227C-024-16H-S1		1x SPDT				
					227C-024-16I		n.a.				
					227C-024-16I-S1		1x SPDT				
					227C-024-16J		n.a.				
					227C-024-16J-S1		1x SPDT				
		20Nm	150s		363C-024-20	0(2)...10V	n.a.	1m Cable	□ 9-18 mm / Ø 9-26 mm	IP54	Germany
					363C-024-20-S2		2x SPDT				
		30Nm	150s		363C-024-30	0(2)...10V	n.a.	1m Cable	□ 9-18 mm / Ø 9-26 mm	IP54	Germany
					363C-024-30-S2		2x SPDT				
		40Nm	150s		363C-024-40	0(2)...10V	n.a.	1m Cable	□ 9-18 mm / Ø 9-26 mm	IP54	Germany
					363C-024-40-S2		2x SPDT				
		60Nm	150s		363C-024-60/8F14	0(2)...10V	n.a.	Form fit □ 14mm			
		2Nm	1s		328CS-024-02A	0 (2)...10V	n.a.	1m Cable	□ 8-15 mm / Ø 8-20 mm	IP54	Germany
					328CS-024-05B						
					328CS-024-10B						
					328CS-024-15B						
		5Nm	2s								
10Nm	3s										
15Nm	3...5s										

Power Supply	Control	Torque	Running Time	Picture	Order Code	Feedback Signal	Auxiliary Switch	Electrical Connection	Shaft Coupling	IP Rating	Country of Origin	
230V AC/DC	2 / 3 Point	5Nm	60...120s		225-230T-05	n.a.	n.a.	Screw Terminals	□8-12 mm / Ø 8-16 mm	IP52	Germany	
					225-230T-05-S2		2x SPDT	Screw Terminals	□8-12 mm / Ø 8-16 mm			
		8Nm	20s		227-230-08E	n.a.	n.a.	1m Cable	1m Cable	◇ 8-15 mm / Ø 8-20 mm	IP54	Germany
					227-230-08E-S1		1x SPDT					
					227-230-08G		n.a.					
					227-230-08G-S1		1x SPDT					
					227-230-08I		n.a.					
					227-230-08I-S1		1x SPDT					
					227-230-08J		n.a.					
		227-230-08J-S1	1x SPDT									
		16Nm	75s		227-230-16H	n.a.	n.a.	1m Cable	1m Cable	◇ 8-15 mm / Ø 8-20 mm	IP54	Germany
					227-230-16H-S1		1x SPDT					
					227-230-16I		n.a.					
					227-230-16I-S1		1x SPDT					
					227-230-16J		n.a.					
	227-230-16J-S1	1x SPDT										
	20Nm	150s		363-230-20	n.a.	n.a.	1m Cable	1m Cable	◇ 9-18 mm / Ø 9-26 mm	IP54	Germany	
				363-230-20-S2		2x SPDT						
				363-230-30		n.a.						
				363-230-30-S2		2x SPDT						
				363-230-40		n.a.						
				363-230-40-S2		2x SPDT						
	60Nm	150s		363-230-60/8F14		n.a.		Form fit □14mm				
				8Nm	20s		227C-230-08E	0 (2)...10V	n.a.	1m Cable	◇ 8-15 mm / Ø 8-20 mm	IP54
	227C-230-08G											
	227C-230-08I											
	227C-230-08J											
	16Nm	75s		227C-230-16H	0 (2)...10V	n.a.	1m Cable	◇ 8-15 mm / Ø 8-20 mm	IP54	Germany		
				227C-230-16I								
				227C-230-16J								
150s	100s		227C-230-16I	0 (2)...10V	n.a.	1m Cable	◇ 8-15 mm / Ø 8-20 mm	IP54	Germany			
			227C-230-16I									
			227C-230-16J									



Power Supply	Control	Torque	Running Time	Picture	Order Code	Feedback Signal	Auxiliary Switch	Electrical Connection	Shaft Coupling	IP Rating	Country of Origin	
24V AC/DC	2 Point	3Nm	40/20s		341-024D-03	n.a.	n.a.	1m Cable	□8-13 mm / Ø 8-16.5 mm	IP54	Germany	
					341-024D-03-S2F		2x SPDT					
		5Nm	75/20s		341-024-05	n.a.	n.a.	1m Cable	□8-13 mm / Ø 8-16.5 mm			
					341-024-05-S2F		2x SPDT					
		10Nm	75/20s		361-024-10	n.a.	n.a.	1m Cable	□9-18 mm / Ø 9-26 mm			
					361-024-10-S2		2x SPDT					
	20Nm	75/20s		361-024-20	n.a.	n.a.	1m Cable	□9-18 mm / Ø 9-26 mm				
				361-024-20-S2		2x SPDT						
	0(2)...10V	2Nm	1/1s		328QS-024-02A	0 (2)...10V	n.a.	1m Cable	□8-15 mm / Ø 8-20 mm	IP54	Germany	
					328QS-024-05B							
					328QS-024-10B							
					328QS-024-15B							
	0(2)...10V	3Nm	100/20s		341C-024-03	0 (2)...10V	n.a.	1m Cable	□8-13 mm / Ø 8-16.5 mm	IP54	Germany	
					341C-024-03-S2F		2x SPDT					
		5Nm	100/20s		341C-024-05	0 (2)...10V	n.a.	1m Cable	□8-13 mm / Ø 8-16.5 mm			
					341C-024-05-S2F		2x SPDT					
		10Nm	150/20s		361C-024-10	0 (2)...10V	n.a.	1m Cable	□9-18 mm / Ø 9-26 mm			
					361C-024-10-S2		2x SPDT					
		20Nm	150/20s		361C-024-20	0 (2)...10V	n.a.	1m Cable	□9-18 mm / Ø 9-26 mm			
					361C-024-20-S2		2x SPDT					
	230V AC/DC	2 Point	3Nm	40/20s		341-230D-03	n.a.	n.a.	1m Cable	□8-13 mm / Ø 8-16.5 mm	IP54	Germany
						341-230D-03-S2F		2x SPDT				
			5Nm	75/20s		341-230-05	n.a.	n.a.	1m Cable	□8-13 mm / Ø 8-16.5 mm		
						341-230-05-S2F		2x SPDT				
10Nm			75/20s		361-230-10	n.a.	n.a.	1m Cable	□9-18 mm / Ø 9-26 mm			
					361-230-10-S2		2x SPDT					
20Nm		75/20s		361-230-20	n.a.	n.a.	1m Cable	□9-18 mm / Ø 9-26 mm				
				361-230-20-S2		2x SPDT						

Power Supply	Control	Torque	Running Time	Picture	Order Code	Feedback Signal	Auxiliary Switch	Electrical Connection	Shaft Coupling	IP Rating	Country of Origin	
24V AC/DC	2 Point	3Nm	40/20s		340-024D-03-S2/8F12	n.a.	2x SPDT	1m Cable	Form fit 12mm	IP54	Germany	
		5Nm	75/20s		340-024-05/8F12		n.a.					
					340-024-05-S2/8F12		2x SPDT					
		12Nm	75/20s		360-024-12/8F12		n.a.					
					360-024-12-S2/8F12		2x SPDT					
		20Nm	75/20s		360-024-20-S2/8F12		2x SPDT					
		3Nm	40/20s		340TA-024D-03-S2/8F12							
					340TA-024-05-S2/8F12							
	5Nm	75/20s		360TA-024-12-S2/8F12								
	12Nm	75/20s		360TA-024-20-S2/8F12								
	20Nm	75/20s		340C-024-05-S2/8F12	0(2)...10V							
	5Nm	75/20s		360C-024-12-S2/8F12*								
	2 Point	5Nm	30/10s		UL-340S-024-045-S2/RE16	n.a.		2x SPDT	1m Cable	□ 8-12 mm / ∅ 8-16 mm	IP54	Germany
					10Nm		75/10s			UL-360S-024-090-S2/RE25		
					15Nm		75/10s			UL-360S-024-135-S2/RE25		
	230V AC/DC	2 Point	3Nm	40/20s		340-230D-03-S2/8F12	n.a.	2x SPDT	1m Cable	Form fit 12mm	IP54	Germany
			5Nm	75/20s		340-230-05-S2/8F12						
			12Nm	75/20s		360-230-12-S2/8F12						
20Nm			75/20s		360-230-20-S2/8F12							
3Nm			40/20s		340TA-230D-03-S2/8F12							
5Nm			75/20s		340TA-230-05-S2/8F12							
12Nm			75/20s		360TA-230-12-S2/8F12							
20Nm			75/20s		360TA-230-20-S2/8F12							
5Nm			30/10s		UL-340S-230-045-S2/RE16							
10Nm			75/10s		UL-360S-230-090-S2/RE25							
15Nm			75/10s		UL-360S-230-135-S2/RE25							







* Product by request




Power Supply	Control	Torque	Running Time	Picture	Order Code	Feedback Signal	Auxiliary Switch	Electrical Connection	Shaft Coupling	IP Rating	Country of Origin	
24V AC/DC	2 Point	15Nm	30s		342-024-15-S2/8F12	n.a.	2x SPDT	1m Cable	Form fit 12mm	IP54	Germany	
		20Nm	60s		362-024-20-S2/8F12							
		40Nm			362-024-40-S2/8F12							
230V AC/DC		15Nm	30s		342-230-15-S2/8F12	n.a.	2x SPDT	1m Cable	Form fit 12mm	IP54	Germany	
			20Nm		60s							362-230-20-S2/8F12
			40Nm									362-230-40-S2/8F12




Variable Air Volume Actuators / Non Fail-Safe

Power Supply	Control	Torque	Running Time	Picture	Order Code	Miscellaneous	Feedback Signal	IP Rating	Country of Origin
24V AC/DC	0(2)...10V	8Nm	100s		327V-024-08I	0...500Pa	0(2)...10V	IP42	Germany
	0(2)...10V / RS485		100s		327VM-024-08I	Display / 0...500Pa			
			327V-024-08I-MB		0...500Pa / Modbus RTU				
			327VM-024-08I-MB		Display / 0...500Pa / Modbus RTU				
			327V-024-08I-BN		0...500Pa / BACnet MSTP				
			327VM-024-08I-BN*		Display / 0...500Pa / BACnet MSTP				
24V AC/DC	0(2)...10V	16Nm	100s		327V-024-16I	0...500Pa	0(2)...10V	IP42	Germany
	0(2)...10V / RS485		100s		327VM-024-16I	Display / 0...500Pa			
			327V-024-16I-MB		0...500Pa / Modbus RTU				
			327VM-024-16I-MB		Display / 0...500Pa / Modbus RTU				
			327V-024-16I-BN*		0...500Pa / BACnet MSTP				
			327VM-024-16I-BN*		Display / 0...500Pa / BACnet MSPT				



* Product by request

Characterized Control Valve (CCV) / Small HVAC Equipment										Actuators																																	
Characteristic										Open Close Actuators					Modulating Actuators																												
										Non Spring Return Actuators																																	
Valve Size		Operational Pressure		Picture		Order Code		KV's Value (m³/h)		Differential Pressure, max. (kPa)		Fluid Temperature, max		Material		Country of Origin		Picture		Country of origin		Power Supply		IP Rating		Running Time (s)		Auxiliary switch		Torque (Nm)		Order Code											
2 - Way Valve										1600					1600					1600					Close-Off pressure, max (KPa)																		
DN150	DN125	DN100	DN80	DN65	DN50	DN40	DN32	DN25	DN20	DN15	350		-5...+120°C		China		Ductile Iron		 V2SAR.150_544		544.0																						
PN16										600					600					600																							
PN25										1600					1600					1600																							
 V2FB.32_23										23.0		V2FB.25_15		15.0		V2FB.20_7.5		7.5		V2FB.15_4		4.0																					
 V2FB.40_35										35.0		V2FB.50_60		60.0																													
 V2SAR.65_120										120.0		V2SAR.80_160		160.0																													
 V2SAR.100_275										275.0		V2SAR.125_396		396.0																													
 V2SAR.125_396										396.0		V2SAR.150_544		544.0																													



Characterized Control Valve (CCV) / Small HVAC Equipment										Actuators																							
Characteristic	Valve Size	Operational Pressure	Picture	Order Code	KV's Value (m ³ /h)	Differential Pressure, max. (kPa)	Fluid Temperature, max	Material	Country of Origin	Open Close Actuators						Modulating Actuators																	
										Non Spring Return Actuators																							
										Picture																							
										Country of origin												Germany											
										Power Supply			24V AC/DC				230V AC				24V AC/DC												
										IP Rating												IP54											
										Running Time (s)		100		100		100		100		100		100											
										Auxiliary switch		n.a. x1		n.a. x1		n.a. x1		n.a. x1		n.a. x1		n.a. x1											
										Torque (Nm)		8 8		16 16		8 8		16 16		8 8		16 16											
										Order Code		227-024-08I_VNB		227-024-08I-SI_VNB		227-024-16I_VNB		227-024-16I-SI_VNB		227-230-08I_VNB		227-230-08I-SI_VNB		227-230-16I_VNB		227-230-16I-SI_VNB		227C-024-08I_VNB		227C-024-08I-SI_VNB		227C-024-16I_VNB	
												Close-Off pressure, max (KPa)																					
3 - Way Valve	DN15 DN20 DN25 DN32 DN40 DN50	PN20		V3FA.15_1	1	350	5...90°C	Brass	China	1600						1600																	
				V3FA.15_1.6	1.6					1600						1600																	
				V3FA.15_2.5	2.5					1600						1600																	
				V3FA.15_4	4					1600						1600																	
				V3FA.20_4	4					1600						1600																	
				V3FA.20_6.3	6.3					1600						1600																	
				V3FA.25_10	10					1600						1600																	
				V3FA.25_16	16					1600						1600																	
				V3FA.32_16	16					1600						1600																	
				V3FA.32_25	25					1600						1600																	
				V3FA.40_25	25					1600						1600																	
				V3FA.40_40	40					1600						1600																	
				V3FA.50_40	40					1600						1600																	
				V3FA.50_63	63					1600						1600																	

Characterized Control Valve (CCV) / Small HVAC Equipment										Actuators					
Characteristic	Valve Size	Operational Pressure	Picture	Order Code	KV's Value (m ³ /h)	Differential Pressure, max. (kPa)	Fluid Temperature, max	Material	Country of Origin	Open Close Actuators		Modulating Actuators			
										Spring Return Actuators					
										Picture					
										Country of origin		Germany			
										Power Supply		24V AC/DC			
										IP Rating		IP54			
										Running Time (s)		75/20	100/20		
										Auxiliary switch		n.a.	x2	n.a.	x2
										Torque (Nm)		5	5	5	5
										Order Code		341-024-05_VNB	341-024-05-S2F_VNB	341C-024-05_VNB	341C-024-05-S2F_VNB
		Close-Off pressure, max (KPa)													
3 - Way Valve	DN15 DN20 DN25 DN32 DN40 DN50	PN20		V3FA.15_1	1	350	5...90°C	Brass	China	1600	1600	1600	1600		
				V3FA.15_1.6	1.6					1600	1600	1600	1600		
				V3FA.15_2.5	2.5					1600	1600	1600	1600		
				V3FA.15_4	4					1600	1600	1600	1600		
				V3FA.20_4	4					1600	1600	1600	1600		
				V3FA.20_6.3	6.3					1600	1600	1600	1600		
				V3FA.25_10	10					1600	1600	1600	1600		
				V3FA.25_16	16					1600	1600	1600	1600		
				V3FA.32_16	16					1600	1600	1600	1600		
				V3FA.32_25	25					1600	1600	1600	1600		
				V3FA.40_25	25										
				V3FA.40_40	40										
				V3FA.50_40	40										
				V3FA.50_63	63										



Control Valve (CV) for HVAC Equipment (2-Way)




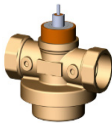
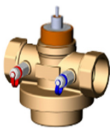
Control Valve (CV) for HVAC Equipment											Actuators			
Characteristic	Valve Size	Thread	Operational Pressure	Picture	Order Code	KV's Value (m ³ /h)	Leakage Rate	Fluid Temperature, max	Stroke (mm)	Country of Origin	Fail Safe function	Open/Close & Modulating Actuators		
											Non Fail Safe	Picture		
2 - Way Valve	DN15	DN20	Screw Flanged ISO7005-2		V2SBP.15_4	4	0.02% of KV's Value	-25...130°C	20	China	Non Fail Safe			
	DN25	DN32			V2SBP.25_10	10								
	DN40	DN50			V2SBP.40_25	25						20	1.60	
	DN65	DN80			V2SBP.65_63	63						20		
	DN100	DN125			V2SAP.100_160	160						1.00	1.00	
	DN150	DN200			V2SAP.150_350	350								40
	DN25	PN25			V2SBP.25_10	10						20	1.60	1.00
	DN32	PN25			V2SBP.32_16	16						20	1.00	
	DN40	PN16			V2SBP.40_25	25						20	0.70	1.00
	DN50	PN16			V2SBP.50_40	40						20	0.50	
	DN65	PN16			V2SAP.65_63	63						20	1.00	1.00
	DN80	PN16			V2SAP.80_100	100						30	1.00	
	DN100	PN16			V2SAP.100_160	160							1.00	
DN125	PN16	V2SAP.125_250	250	40		1.60								
DN150	PN16	V2SAP.150_350	350			1.60								
											Close-Off pressure, max (MPa)			




Steam Valves (SV) for HVAC Equipment (2-Way)

Steam Valves (SV) for HVAC Equipment										Actuators		
Characteristic	Valve Size	Thread	Operational Pressure	Picture	Order Code	KV's Value (m ³ /h)	Leakage Rate	Fluid Temperature, max	Stroke (mm)	Country of Origin	Open/Close & Modulating Actuators	
											Fail Safe function	Non Fail Safe
												
											China	
											24V AC/DC	
											IP54	
											2 - 4 s/mm	1 - 2s/mm
											0...10V / 4...20mA	
											30	50
											1000	3000
											160C-024-100	180C-024-300
											Close-Off pressure, max (MPa)	
2 - Way Valve	DN15	DN15	Screw Flanged ISO7005-2		V2SBPSV.15_4	4	0.02% of KV's Value	2...180°C	20	China	1.60	
	DN20	DN20			V2SBPSV.20_6.3	6.3					1.60	
	DN25	DN25			V2SBPSV.25_10	10					1.60	
	DN32	DN32			V2SBPSV.32_16	16					1.00	
	DN40	DN40			V2SBPSV.40_25	25					1.00	
	DN50	DN50			V2SBPSV.50_40	40					1.00	
	DN65	DN65			V2SAPSV.65_63	63					1.60	
	DN80	DN80			V2SAPSV.80_100	100					1.60	
	DN100	DN100			V2SAPSV.100_160	160					1.60	
	DN125	DN125			V2SAPSV.125_250	250					1.60	
	DN150	DN150			V2SAPSV.150_350	350					1.60	








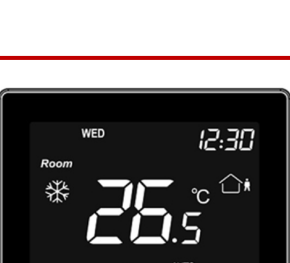
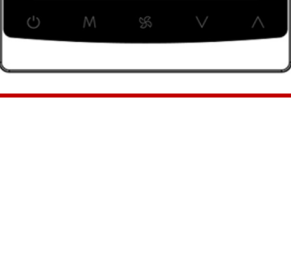


Steam Valves (SV) for HVAC Equipment (3-Way)

Steam Valves (SV) for HVAC Equipment										Actuators			
Characteristic	Valve Size	Thread	Operational Pressure	Picture	Order Code	KV's Value (m³/h)	Leakage Rate	Fluid Temperature, max	Stroke (mm)	Country of Origin	Open/Close & Modulating Actuators		
											Fail Safe function	Non Fail Safe	
											Picture		
											Country of origin	China	
											Power Supply	24V AC/DC	
											IP Rating	IP54	
											Running Time(s)	2 - 4 s/mm	1 - 2s/mm
											Feedback signal	0...10V / 4...20mA	
											Stroke (mm)	30	50
											Force (N)	1000	3000
Order Code	160C-024-100		180C-024-300										
Close-Off pressure, max (MPa)													
3 - Way Valve	DN32	Screw Flanged ISO7005-2	PN25		V3SBPSV.32_16	16	0.02% of KV's Value	2...180°C	20	China	1.00		
	DN40				V3SBPSV.40_25	25			20		1.00		
	DN50				V3SBPSV.50_40	40			20		1.00		
	DN65				V3SAPSV.65_63	63			20		1.60		
	DN80				V3SAPSV.80_100	100			20		1.60		
	DN100				V3SAPSV.100_160	160					1.60		
	DN125				V3SAPSV.125_250	250			40		1.60		
	DN150				V3SAPSV.150_350	350					1.60		
	PN16												






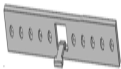

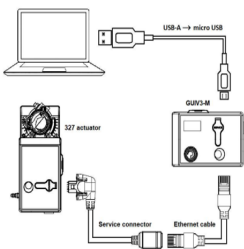
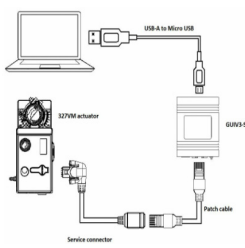

Pressure Independent Control Valve (PICV) for Small HVAC Equipment										Actuators					
Characteristic	Valve Size	Operational Pressure	Picture	Order Code	Flow range (m³/h) / selectable	Differential Pressure, max. (kPa)	Fluid Temperature, max	Stroke (mm)	Country of Origin						
										Open Close Actuators		Modulating actuators			
										Picture					
										Country of origin	Germany			Germany	
										Power Supply	24V AC/DC	230V AC		24V AC/DC	
										IP Rating	IP54			IP54	
										Fail Safe function	Non FS	FS	FS	FS	Non FS
										Running Time(s)	120			120	
										Feedback signal	n.a.	n.a.	n.a.	n.a.	n.a.
										Stroke (mm)	4	4	4	4	4
										Force (N)	125	100	125	100	125
										Order Code	120-024-0125	110-230-010	110-230-0125	110C-024-010	120C-024-0125
										Close-Off pressure, max (kPa)					
2- Way Valve	DN15	PN25		V2FBPIC.15_0.9	0.16...0.9	35-500	-10...120°C	4	China	400	400	400	400	400	
	DN20			V2FBPIC.20_1.3	0.28...1.3					400	400	400	400	400	
	DN25			V2FBPIC.25_2	0.21...2.0					400	400	400	400	400	
	DN32			V2FBPIC.32_4	0.42...4.0					130	130	130	130	130	
2- Way Valve - 2 Pressure Ports	DN15	PN25		V2FBPPIC.15_0.9	0.16...0.9	35-500	-10...120°C	4	China	400	400	400	400	400	
	DN20			V2FBPPIC.20_1.3	0.28...1.3					400	400	400	400	400	
	DN25			V2FBPPIC.25_2	0.21...2.0					400	400	400	400	400	
	DN32			V2FBPPIC.32_4	0.42...4.0					130	130	130	130	130	

Pressure Independent Control Valve (PICV) for Large HVAC Equipment										Actuators			
Characteristic	Valve Size	Operational Pressure	Picture	Order Code	Flow range (m³/h) / selectable	Differential Pressure, max. (KPa)	Fluid Temperature, max	Stroke (mm)	Country of Origin	Open/Close & Modulating Actuators			
										Picture	Country of origin	Power Supply	IP Rating
2- Way Valve	DN32	PN25		V2FBPIC.32_4L	4	35...500	-10...120°C	20	China	Close-Off pressure, max (kPa)			
	DN40			V2FBPIC.40_6L	6					400	400	400	
	DN50			V2FBPIC.50_8L	8					400	400	400	
2- Way Valve - 2 Pressure Ports	DN32	PN25		V2FBPPIC.32_4L	4	35...500	-10...120°C	20	China	Close-Off pressure, max (kPa)			
	DN40			V2FBPPIC.40_6L	6					400	400	400	
	DN50			V2FBPPIC.50_8L	8					400	400	400	
2- Way Valve - 2 Pressure Ports	DN50	PN16		V2SAPPIC.50_13	13	400	-10...120°C	20	China	Close-Off pressure, max (kPa)			
	DN65			V2SAPPIC.65_21	21					400	400	400	
	DN80			V2SAPPIC.80_28	28					400	400	400	
	DN100			V2SAPPIC.100_50	50			40		400	400		
	DN125			V2SAPPIC.125_90	90			40		400	400		
	DN150			V2SAPPIC.150_145	145			40		400	400		

Room Units - Fan Coil Thermostats

Application	Power Supply	Communication	Housing	Picture	Order Code	2/4 Pipe FCU	Outputs / Inputs	Measuring Range	Accuracy	IP Rating	Country of Origin	
Fan Coil Controller	230V AC	BACnet	Flush Mount		CRF9-T-FC01B*	2/4 Pipe	230V / 3Steps 230V / 2xON/OFF Inputs 1x NTC10k N/O Contact	5-35°C	±1°C	IP30	China	
					CRF9-T-FC03B*	2/4 Pipe	230V / 3Steps 2x0...10V Inputs 1x NTC10k N/O Contact					
		MODbus	Surface Mount		CRW9-T-FC01M	2/4 Pipe	230V / 3Steps 230V / 2xON/OFF Inputs 1x NTC10k N/O Contact					
					CRW9-T-FC03M	2/4 Pipe	230V / 3Steps 2x0...10V Inputs 1x NTC10k N/O Contact					
	24V AC	None	None	Surface Mount		CRW1-T-FC03	2/4 Pipe					230V / 3Steps 2x0...10V Inputs 1x NTC10k -----
						CRW1-T-FC04	2/4 Pipe					EC Fan 0...10V 230V / 2xON/OFF Inputs 1x NTC10k -----
	230V AC	None	None	Surface Mount		CRW1-T-FC01	2/4 Pipe					230V / 3Steps 230V / 2xON/OFF Inputs 1x NTC10k N/O Contact
						CRW1-T-FC05	2/4 Pipe					EC Fan 0...10V 230V / 2xON/OFF Inputs 1x NTC10k N/O Contact
						CRW1-T-FC06	2 Pipe					EC Fan 0...10V 1x0...10V Inputs 1x NTC10k N/O Contact
	24V AC	None	None	Flush Mount		CRF1-T-FC03	2 Pipe					230V/ 3Steps 1x0...10V Inputs 1x NTC10k N/O Contact
					CRF1-T-FC04	2/4 Pipe	EC Fan 0...10V 24V / 2xON/OFF Inputs 1x NTC10k N/O Contact					

* Product by request

Products Series	Picture	Order Code	Description	Quantity per package	County of Origin
227 / 327- Actuator Series		227/327-8E8	Form Fit inserts 8x8 mm	20 pieces	Germany
		227/327-8E10	Form Fit inserts 10x10 mm	20 pieces	
		227/327-8E12	Form Fit inserts 12x12 mm	20 pieces	
		227/327-ZS	Mounting Flange	10 pieces	
		227/327-Indicator	Position Indicators	20 pieces	
		227/327-Anti-Rotation	Anti- Rotation bar	20 pieces	China
		227/327-Clamp	Universal Clamp (Ø 8-20 mm / \diamond 8-15 mm)	10 pieces	Germany
327 VAV Compact Actuator		GUIV3-M	Interface for parametrizing VAV actuators - parameter can be set with or without PC - including all necessary connection cables	1 piece	Germany
		Win-VAV2-A-Bundle	Interface for parametrizing VAV actuators in connection with a PC - including all necessary connection cables	1 piece	Germany
340 / 360 Series		TAE-72	Thermoelectric tripping device - 24V AC/DC 72° Degree C trigger point - Status LED	1 piece	Germany
		TAE-92	Thermoelectric tripping device - 24V AC/DC 92° Degree C trigger point - Status LED	1 piece	



Competence = (Know-how + Vision + Courage)²



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