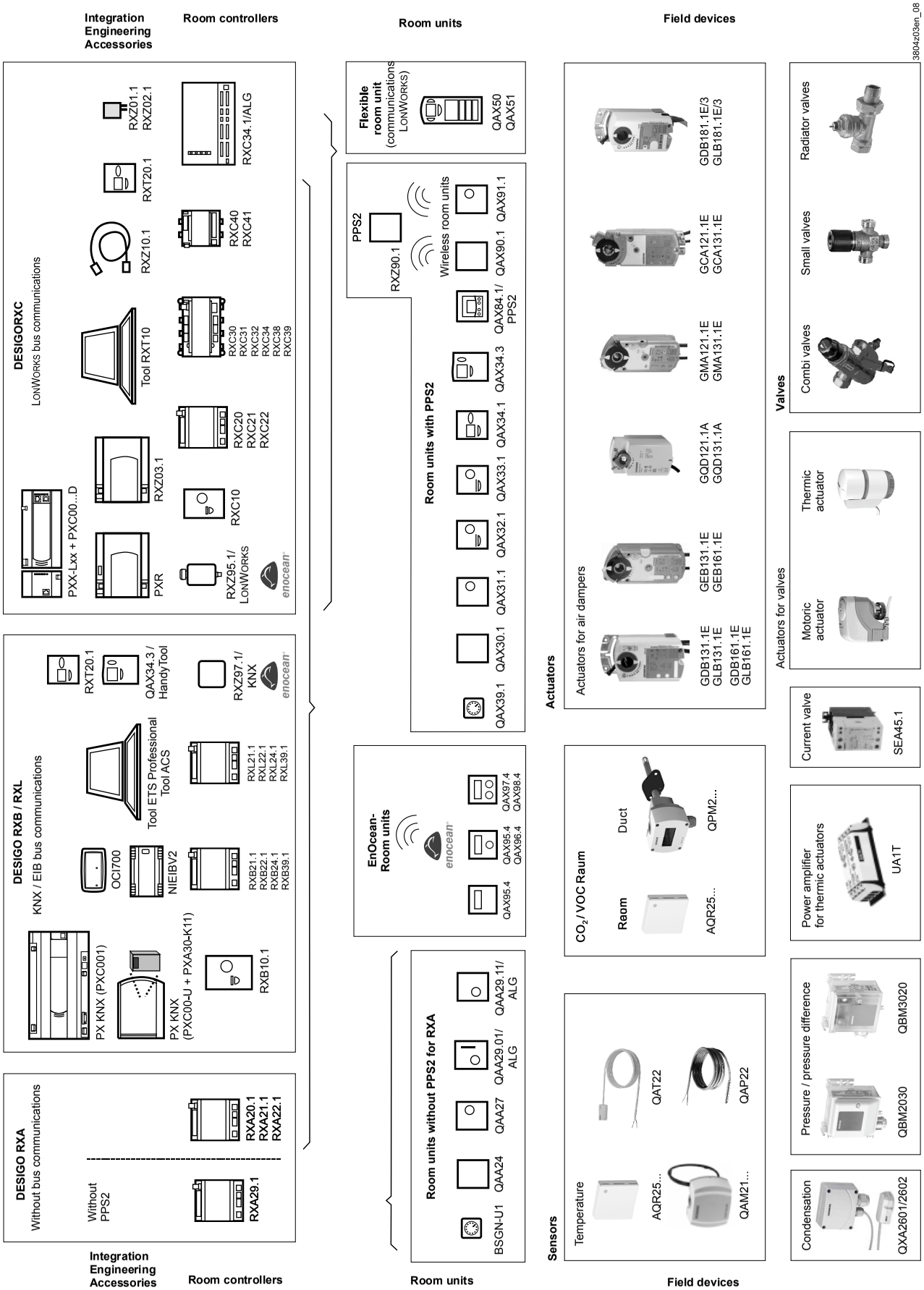
Integration Engineering Accessories
Room controllers
Room units
Field devices
3804z03en_08
DESIGORXC
LONWORKS bus communications
PXX-Lxx + PXC00...D
PXR
RXZ03.1
RXC10
RXZ95.1/ LONWORKS
enocean
RXZ10.1
Tool RXT10
RXC20
RXC21
RXC22
RXC30
RXC31
RXC32
RXC34
RXC38
RXC39
RXC40
RXC41
RXT20.1
RXZ01.1
RXZ02.1
RXC34.1/ALG
DESIGO RXB / RXL
KNX / EIB bus communications
PX KNX (PXC001)
PX KNX (PXC00-U + PXA30-K11)
RXB10.1
OCI700
NIEIBV2
Tool ETS Professional
Tool ACS
RXB21.1
RXB22.1
RXB24.1
RXB39.1
RXL21.1
RXL22.1
RXL24.1
RXL39.1
RXT20.1
QAX34.3 / HandyTool
RXZ97.1/ KNX
enocean
DESIGO RXA
Without bus communications
Without PPS2
RXA29.1
RXA20.1
RXA21.1
RXA22.1
Integration Engineering Accessories
Room controllers
Flexible room unit (communications LONWORKS)
QAX50
QAX51
PPS2
RXZ90.1
Wireless room units
QAX84.1/ PPS2
QAX90.1
QAX91.1
Room units with PPS2
QAX39.1
QAX30.1
QAX31.1
QAX32.1
QAX33.1
QAX34.1
QAX34.3
EnOcean-Room units
QAX95.4
QAX96.4
QAX97.4
QAX98.4
Room units without PPS2 for RXA
BSGN-U1
QAA24
QAA27
QAA29.01/ ALG
QAA29.11/ ALG
Room units
Actuators
Actuators for air dampers
GDB131.1E
GLB131.1E
GDB161.1E
GLB161.1E
GEB131.1E
GEB161.1E
GQD121.1A
GQD131.1A
GMA121.1E
GMA131.1E
GCA121.1E
GCA131.1E
GDB181.1E/3
GLB181.1E/3
CO2 / VOC Raum
Raum
Duct
AQR25...
QPM2...
Sensors
Temperature
AQR25...
QAT22
QAP22
QAM21...
Field devices
Valves
Actuators for valves
Motoric actuator
Thermic actuator
Combi valves
Small valves
Radiator valves
Current valve
SEA45.1
Power amplifier for thermic actuators
UA1T
Pressure / pressure difference
QBM2030
QBM3020
Condensation
QXA2601/2602

Compatibility of devices, assortments, and applications

Device			Suitable for → / Documentation ↓	RAD	CLC	FNC	VAV	FPB	INT	LAB
DESIGO RXA room controllers without bus communications										
RXA20.1, RXA21.1, RXA22.1 *)	Room controllers for fan coil systems, chilled ceilings and radiators		CA2N3881			X				
RXA29.1 *)	Room controller for fan coil systems		CA2N3882			X				
DESIGO RXB room controllers with EIB bus communications										
RXB10.1 *)	Room controller in room-style housing for CLC, RAD and VAV systems, supply or extract air *(EIB)*		CA2N3870	X	X		X			
RXB21.1 *)	Room controllers for fan coil systems (*Communications EIB)*	FC-06	CA2N3871			X				
RXB21.1, RXB22.1 *)	Room controllers for fan coil systems	(*KNX)* FC-08, FC-09	CA2N3872			X				
RXB21.1, RXB22.1	Room controllers for fan coil systems and radiators,	(*KNX)* FC-10, FC-11, FC-12	CM2N3873			X				
RXB24.1	Room controller for chilled ceilings and radiators,	(*KNX)* CC-02	CM2N3874	X	X					
RXB39.1	Room controllers for fan coil systems	(*KNX)* FC-13	CA2N3875			X				
RXL21.1, RXL22.1	Room controllers for fan coil systems and radiators, *proprietary communication,* FC-10-11-12		CM2N3877			X				
RXL24.1	Room controller for chilled ceilings and radiators, *proprietary communications,* CC-02		CM2N3878	X	X					
RXL39.1	Room-Controller for fan coil systems	(*KNX)* FC-13	CM2N3876			X				
DESIGO RXC room controllers with LONWORKS® bus communications										
RXC10	Room controller in room-style housing for CLC, RAD and VAV systems (supply or extract air)		CA2N3830	X	X		X			
RXC20, RXC21, RXC22	Room controllers for fan coil systems, chilled ceilings and radiators		CA2N3834	X	X	X				
RXC30	Room controller for radiators and chilled ceilings with lighting control		CA2N3840		X				X	
RXC31	Room controller for VAV systems (supply or extract air)		CA2N3844				X	X	X	
RXC32	Room controller for VAV systems (supply air, with built-in pressure sensor)		CA2N3845				X			
RXC34 *)	Room controller (basic module) for the control of **fume hoods** in laboratory rooms		CA2N3847							X
RXC34/ALG *)	Controller with LonWorks® interface, freely programmable, in particular for **laboratory rooms**		CM2N3848							X
RXC38 *)	Room controller for special applications (Any standard application can be used as a basis)		CM2N3841							
RXC39	Room-Controller for fan coil systems		CM2N3856			(X)				
RXC40	Extension module for RXC30, RXC31 and RXC39, for lighting control		CA2N3842		(X)		(X)		X	
RXC41	Extension module for RXC30, RXC31 and RXC39, for blind control		CA2N3843		(X)		(X)		X	

Integration interfaces, commissioning and service aids			
PXX-L11, PXX-L12 (V4)	Extension modules (in conjunction with PXC00….D)	(for 60, 120 RXC)	CM1N9282
PXC….D, PXC…-E.D	Automation stations, modular series		CM1N9222
PXR11, PXR12 (V2.37) *)	System controllers	(for 60, 120 RXC)	CA1N9235
NIDES.RX *)	LON/LonMark Interface for integration in Unigyr, Visonik, and Integral	(for RXC)	CA1N3299
RXT10.3	Commissioning and service tool (Software) incl. CD-ROM	(for RXC)	CA110669
RXT10.5	Commissioning and service tool (Software) incl. CD-R	(for RXC, for Desigo V5.1-SP and later)	CA110658
RXT20.1	Service terminal for RXB / RXL and RXC	(for RXB / RXL and RXC)	CA2N3851
QAX34.3	Commissioning tool for RXB / RXL	(for RXB / RXL)	CA2N1640

***) Product phased out**

Device			Documentation ↓
NIEIBV2 *(Old)*	EIB communication interface (NOT for KNX))		CA2N9732
PX KNX	System controller PXC00-U + PXA30-K11 *)	(for RXB / RXL)	CM1N9280 + CA1N9221
	System-Controller PXC001	(für RXB / RXL)	CM1N9223
OCI700.1	ACS System operating software and service interface OCI700	(for RXB / RXL)	CE1N5655
ETS3, ETS4	EIB / KNX Tool Software (supplied by: EIBA Brussels, www.eiba.com)	(for RXB)	----

DESIGO RX room operation

QAX30.1	Room unit with temperature sensor		CA2N1741
QAX31.1	Room unit with temperature sensor and setpoint adjustment		CA2N1741
QAX32.1	Room unit with temperature sensor, setpoint adjustment and ⏻/Auto switch		CA2N1641
QAX33.1	Room unit with temperature sensor, setpoint adjustment and ⏻/Auto / Fan speed switch		CA2N1642
QAX34.1	Room unit with temp. sensor, setpoint adjustment, ⏻/Auto / Fan speed switch and LCD display		CA2N1645
QAX34.2 (OEM)	Room unit with temp. sensor, setpoint adjustment, ⏻/Auto / Fan speed switch and LCD display		CA2N1647
QAX34.3	Room unit with temp. sensor, setpoint adjustment, ⏻/Auto / Fan speed switch and LCD display. With HandyTool functionality for RXB and RXL		CA2N1640
QAX39.1	Universal setpoint adjuster		CA2N1646
QAX50, QAX51	Flexible room unit with temperature sensor, setpoint adjustment, ⏻/Auto / Fan speed switch, LCD display and rocker switches for lighting and blinds (RXC only, communication LONWORKS®)		CA2N1648
QAX60.1, QAX61.1 *(Old)*	License for Intranet room operation (10 rooms) with software (DESIGO V1 only!)		CA2B3807
QAX84.1/PPS2 **QAZ84.1. RXZ80.1/PPS2**	Flush-mounted room unit with temp. sensor, setpoint adjustment, ⏻/Auto / Fan speed switch and LCD display		CA2N1649
QAX90.1 *)	Wireless room unit with temperature sensor		CA2N1643
QAX91.1 *)	Wireless room unit with temperature sensor and setpoint adjustment		CA2N1643
RXZ90.1 *)	Receiver for wireless room units, with PPS" interface		CA2N1644
QAX95.1, QAX96.1 *(replaced)*	Wireless and batteryless room units with EnOcean interface		CM2N1660
QAX95.4, QAX96.4, **QAX97.4, QAX98.4**	Wireless and batteryless room units with EnOcean interface		CM2N1663
RXZ95.1/LON	Gateway EnOcean–LonWorks		CM2N1661
RXZ97.1/KNX	Gateway EnOcean–KNX		CM2N1662
QAA29.01/ALG	Room unit with temp. sensor, setpoint adjustment and fan speed switch	(without PPS2, for RXA)	CE1N1723
QAA29.11/ALG	Room unit with temperature sensor and setpoint adjustment	(without PPS2, for RXA)	CE1N1723
QAA24	Room unit with temperature sensor	(without PPS2, for RXA)	CM1N1721
QAA27	Room unit with temperature sensor and setpoint adjustment	(without PPS2, for RXA)	CM1N1721
BSGN-U1 *(replaced)*	Universal setpoint adjuster	(without PPS2, for RXA)	CA1N1985
BSG21.5	Universal setpoint adjuster	(without PPS2, for RXA)	CE1N1991

***) Product phased out**

Device			Suitable for → / Documentation ↓	RAD	CLC	FNC	VAV	FPB	INT *)	LAB
Sensors										
Temperature sensors LG-Ni 1000										
QAM2120.040	Duct temperature sensor **(40 cm)**	*Replaces QAM22*	CE1N1761				X			X
QAM2120.200	Duct temperature sensor **(200 cm)**	*Replaces **QAM22.2***	CE1N1761				X			X
QAM2120.600	Duct temperature sensor **(600 cm**	*Replaces **QAM22.6***	CE1N1761				X			X
QAM22 *(replaced)*	Duct temperature sensor		CM1N1771				X			X
QAP22	Cable temperature sensor		CM1N1831	X	X	X	X	X		
QAA24	Room temperature sensor		CM1N1721	X	X	X	X	X		
QAT22	Window temperature sensor *(for special RXC applications only)*		CE1N1830							
AQR2500N.. & AQR2531ANW	Flush mount room temperature sensor	*new*	CE1N1410	X	X	X	X	X		
Air quality sensors room										
QPA1000	VOC	*new*	CM1N1961				X			
AQR2547N.. & AQR2530NNW	Flush mount VOC sensor	*new*	CE1N1410				X			
QPA2000	CO_2 sensor	*Replaces QPA63.1*	CM1N1961				X			
AQR2546N..& AQR2530NNW	Flush mount CO_2 sensor	*new*	CE1N1410				X			
QPA2002	CO_2 / VOC sensor	*Replaces QPA63.1 + AQP63.1*	CM1N1961				X			
QPA2002D	CO_2 / VOC sensor with Display	*Replaces QPA63.2 + AQP63.1*	CM1N1961				X			
QPA2060, QPA2060D	CO_2 / T Sensor (...D with Display)	*new*	CM1N1961				X			
AQR2546N.. & AQR2532NNW	Flush mount CO_2 / T sensor	*new*	CE1N1410				X			
QPA2080, QPA2080D	CO_2 / T Sens. passive LG-Ni1000 (…D with Display)	*new*	CM1N1961				X			
AQR2546N.. & AQR2534NNW	Flush mount CO_2 / CO_2 / T sens. passive LG-Ni1000	*new*	CE1N1410				X			
Air quality sensors duct										
QPM1100	VOC	*new*	**CM1N1962**				X			
QPM2100	CO_2 sensor	*Replaces QPA63.1 + ARG64*	CM1N1962				X			
QPM2102, QPM2102D	CO_2 / VOC sensor (...D with Display)	*Replaces QPA63.1 + AQP63.1 +ARG64*	CM1N1962				X			
QPM2160, QPM2160D	CO_2 / T sensor (...D with Display)	*new*	CM1N1962				X			
QPM2180	CO_2 / T sensor passive LG-Ni1000	*new*	**CM1N1962**				X			
ARG64 *(replaced)*	Duct mounting accessory set						X			
QPA63... *(replaced)*	CO_2 / VOC sensor		CM1N1958				X			
Dew point sensor										
QXA2000 / AQX2000	Condensation detector / Supply unit (replaced by QXA2603)		CM1N1542		X					
QXA2001 / AQX2000	Condensation Monitor with offset sensor head / power supply (replaced by QXA2604)		CM1N1542		X					
QXA2601 / S55720-T325	Condensation monitor, for mounting on pipes, AC 24 V		CB1N3302		X					
QXA2602 / S55720-T326	Condensation monitor with remote sensor head, for mounting on surfaces, AC 24 V		CB1N3302		X					
QXA2603 / S55720-T327	Condensation monitor, for mounting on pipes, AC 230 V		CB1N3302		X					
QXA2604 / S55720-T328	Condensation monitor with remote sensor head, for mounting on surfaces, AC 230 V		CB1N3302		X					

*) INT: see CLC and. VAV as suitable

Device				RAD	CLC	FNC	VAV	FPB	INT *)	LAB
	Suitable for →									
	Documentation ↓									
Differential pressure sensors										
QBM2030	Differential pressure sensor with linear characteristic	*Replaces QBM62.2..*	CE1N1916				X	X		
QBM3020	Differential pressure sensor with linear / extracting-the-root characteristic	*Replaces. QBM65-…*	CA1N1910				X	X		
QBM3020…D	Differential pressure sensor with linear characteristic and display	*Replaces QBM65.1-…*	CA1N1910				X	X		
QBM3020	Differential pressure sensor with linear / extracting-the-root characteristic	*Replaces. QBM65.2-…*	CA1N1910				X	X		
QBM40..	As QBM3020..., with calibration certificate	*Replaces QBM65-.../C*	CE1N1919				X	X		
QBM41..	As QBM3020; output signal 4 … 20 mA	*Replaces QBM75-.../C*	CE1N1919				X	X		
QBM81-...	Differential pressure switch		CA1N1552				X	X		
QBM62.1.. *(Replaced)*	Differential pressure sensor with extracting-the-root characteristic		CM1N1913				X	X		
QBM62.2.. *(Replaced)*	Differential pressure sensor with linear characteristic		CM1N1914				X	X		

*) INT: see CLC and. VAV as suitable

The following products have been deleted from the list: QAP21.1; AQP63.1 and QFX21

Caution!

Actuators and valves → refer to the table on the last page and folding leaflet "Leporello", Z-B01350501EN

- The thread of all the actuators is such that they can be fitted to both "push-to-open" and "pull-to-open" valves.
- However, **RX applications do not support inverse control**. In other words "pull-to-open" valves may be fitted only with pull-action actuators, and "push-to-open" valves only with push-action actuators.
- This means that the valve / actuator assemblies in all RX applications are **always closed when de-energized**.

Parallel operation of thermic actuators:

- Irrespective of the manufacturer, the configuration should be "3rd party thermic".

Device					**Suitable for →** **Documentation ↓**	**RAD**	**CLC**	**FNC**	**VAV**	**FPB**
Actuators, 3-position, thermic		**Valves**	**Remarks**							
STA73...	Thermic actuator, AC 24 V, 100 N, for radiator valves pluggable cable (with optional LED display)	**STA73...**	**Pull-to-open actuator**	**CE1N4884**						
STA72E *(replaced by STA73...)*		**STA72E**	**Pull-to-open actuator**	**CE1N4875**						
		VDN.., VEN..	Radiator valves	CE1N2105, CE1N2106		**X**	**o**			
		VUN..	Radiator valves	CE1N2106		**X**	**o**			
		VPD.., VPE..	MiniCombi valves	CE1N2185		**X**	**o**			
		VD..CLC	High flow rate	CE1N2103		**o**	**X**			
	VD..., VE..., VU... replaced by VDN.., VEN.., VUN..	VD..,VE..,	Radiator valves	CE1N2161		**o**	**o**			
		VU..	Radiator valves	CE1N2163		**o**	**o**			
STP73...	Thermic actuator, AC 24 V, 100N, for small valves pluggable cable (with optional LED display)	**STP73...**	**Push-to-open actuator**	**CE1N4884**						
STP72E *(replaced by STP73...)*		**STP72..**	**Push-to-open actuator**	**CE1N4876**						
		V..P47..	Small valves up to 4 m^3/h	CA1N4847			**X**	**X**	**X**	
		V..P47..S	Small valves up to 4 m^3/h, Konnex	CA1N4850			**X**	**X**	**X**	
		2W.., 4W.., 5W..	with adapter AL100	CA1N4846				**o**	**o**	
STA71, STA71E, STE71.1 *(replaced by STA73)*	Thermic actuator, AC 24 V, 105 N, for radiator valves	**STA71..**	**Pull-to-open actuator**	**CE1N4877**						
		STE71.1	**Pull-to-open actuator**	**CA1N4874**						
		VD..,VE..,	Radiatorventile	CE1N2161		**o**	**o**			
		VU..	Radiatorventile	CE1N2163		**o**	**o**			
STP71 ,STP71E *(replaced by STP73)*	Thermic actuator, AC 24 V, 105 N, for small valves	**STP71 ,STP71E**	**Push-to-open actuator**	**CE1N4878**						
		V..P47..	Small valves	CA1N4847				**o**	**o**	
		V..P47..S	Small valves, Konnex	CA1N4850				**o**	**o**	
		2W.., 4W.., 5W..	with adapter AL100	CA1N4846				**o**	**o**	
STE72 *(Old)*	Thermic actuator, AC 24 V, 125 N, for small valves	**STE72**	**Push-to-open actuator**	**CA1N4873**						
		2W.., 4W.., 5W..	with adapter AL100	CE1N4846				**o**	**o**	
2W.., 4W.., 5W.. *(Old)*	Fixed combination valve + actuator	2W.., 4W.., 5W..	Fixed combination	CE1N4846				**o**	**o**	

Key

X Preferred solution
o Admitted solution (eventually with restrictions) → consider only if X is not feasible.
Details see table "Suitable valve actuators", see page 12

Device				Documentation ↓	Suitable for → RAD	CLC	FNC	VAV	FPB
Actuators, 3-position, motoric		**Valves**	**Remarks**						
SSA81...	Motoric actuator, AC 24 V, 3P, nominal stroke 2,5 mm, 100 N, M30 x 1.5	**SSA..**	**Pull-to-open actuator**	**CE1N4893**					
		VDN.., VEN..	Radiator valves	CE1N2105, CE1N2106	**X**	**o**			
		VUN..	Radiator valves	CE1N2106	**X**	**o**			
		VPD.., VPE..	MiniCombi valves	CE1N2185	**X**	**o**			
		VD..CLC	High flow rate	CE1N2103	**o**	**X**			
	VD..., VE..., VU... replaced by VDN.., VEN.., VUN..	VD..,VE..,	Radiator valves	CE1N2161	**o**	**o**			
		VU..	Radiator valves	CE1N2163	**o**	**o**			
SSP81...	Motoric actuator, AC 24 V, 3P, nominal stroke 2,5 mm, 160 N, M30 x 1.5	**SSP..**	**Push-to-open actuator**	**CA1N4864**					
		V..P47..	Small valves up to 4 m^3/h	CA1N4847		**X**	**X**	**X**	
SSP81.04	as **SSP81**, but 43 sec running time (instead of 150 sec)	V..P47..S	Small valves up to 4 m^3/h, **CONEX compression fittings**	CA1N4850		**X**	**X**	**X**	
		2W.., 4W.., 5W..	with adapter AL100	CA1N4846			**o**	**o**	
SSB81...	Motoric actuator, AC 24 V, 3P, nominal stroke 5,5 mm, 200 N, 3/4 "	**SSB..**	**Push-to-open actuator**	**CA1N4891**					
		V..P45..	up to 6.3 m^3/h	CM1N4845		**X**	**X**		
		V..P45..S	up to 6.3 m^3/h **CONEX compression fittings**	CM1N4845		**X**	**X**		
SSD81…	Motoric actuator, AC 24 V, 3P, nominal stroke 5,5 mm, 250 N M30 x 1.5	**SSD..**	**Antrieb öffnet stossend**	**CA1N4861**					
SSC81...	Motoric actuator, AC 24 V, 3P, nominal stroke 5,5 mm (self-calibrating), 300 N, 3/4 "	**SSC..**	**Push-to-open actuator**	**CA1N4895**					
		V..P45..	over 6.3 m^3/h	CM1N4845					
SSP51KNX ***parameterized as pull-to-open*** (introduction 2010> Alternative: KNX actuators by Theben)	Motoric actuator, AC 24 V, 3P, nominal stroke 2,5 mm, 120 N M30 x 1.5	**SSP51KNX**	**Pull-to-open actuator**	CE1N4866					
		VDN.., VEN..	Radiator valves	CE1N2105, CE1N2106	**X**	**o**			
		VUN..	Radiator valves	CE1N2106	**X**	**o**			
		VPD.., VPE..	MiniCombi valves	CE1N2185	**X**	**o**			
		VD..CLC	High flow rate	CE1N2103	**o**	**X**			
		VD..,VE..,	Radiator valves	CE1N2161	**o**	**o**			
		VU..	Radiator valves	CE1N2163	**o**	**o**			
SSP51KNX ***parameterized as push-to-open*** (introduction 2010; Alternative: KNX actuators by Theben)	Motoric actuator, AC 24 V, 3P, nominal stroke 2,5 mm, 120 N M30 x 1.5	**SSP51KNX**	**Push-to-open actuator**	CE1N4866					
		V..P47..	Small valves up to 4 m^3/h	CA1N4847		**X**	**X**	**X**	
		V..P47..S	Small valves up to 4 m^3/h, Konnex	CA1N4850		**X**	**X**	**X**	
		2W.., 4W.., 5W..	with adapter AL100	CA1N4846			**o**	**o**	
SQS81 *(Old)*	Motoric actuator, nominal stroke 5,5 mm, 300 N, M30 x 1.5	**SQS81**	**Push-to-open actuator**	CM1N4575					
		VMP43...	Small valves	CM1N4841		**o**	**o**	**o**	

Key

X Preferred solution
o Admitted solution (eventually with restrictions) → consider only if **X** is not feasible.
Details see table "Suitable valve actuators"

Device *(DC 0...10 V,with RX..39 only)*				Suitable for → / Documentation ↓	RAD	CLC	FNC	VAV	FPB
Actuators, 3-position, motoric, DC 0...10 V control		**Valves**	**Remarks**						
SSA61...	Motoric actuator, AC 24 V, 3P, nominal stroke 2,5 mm, 100 N, M30 x 1.5	**SSA..**	**Pull-to-open actuator**	**CE1N4893**					
		VDN.., VEN..	Radiator valves	CE1N2105, CE1N2106	**X**	**o**			
		VUN..	Radiator valves	CE1N2106	**X**	**o**			
		VPD.., VPE..	MiniCombi valves	CE1N2185	**X**	**o**			
		VD..CLC	High flow rate	CE1N2103	**o**	**X**			
	VD..., VE..., VU... replaced by VDN.., VEN.., VUN..	VD..,VE..,	Radiator valves	CE1N2161	**o**	**o**			
		VU..	Radiator valves	CE1N2163	**o**	**o**			
SSP61...	Motoric actuator, AC 24 V, 3P, nominal stroke 2,5 mm, 160 N, M30 x 1.5	**SSP..**	**Push-to-open actuator**	**CA1N4864**					
		V..P47..	Small valves up to 4 m^3/h	CA1N4847		**X**	**X**	**X**	
SSP61.04	as **SSP81**, but 43 sec running time (instead of 150 sec)	V..P47..S	Small valves up to 4 m^3/h, **CONEX compression fittings**	CA1N4850		**X**	**X**	**X**	
		2W.., 4W.., 5W..	with adapter AL100	CA1N4846			**o**	**o**	
SSB61...	Motoric actuator, AC 24 V, 3P, nominal stroke 5,5 mm, 200 N, 3/4 "	**SSB..**	**Push-to-open actuator**	**CA1N4891**					
		V..P45..	up to 6.3 m^3/h	CM1N4845		**X**	**X**		
		V..P45..S	up to 6.3 m^3/h **CONEX compression fittings**	CM1N4845		**X**	**X**		
SSD61…	Motoric actuator, AC 24 V, 3P, nominal stroke 5,5 mm, 250 N M30 x 1.5	**SSD..**	**Antrieb öffnet stossend**	**CA1N4861**					
SSC61...	Motoric actuator, AC 24 V, 3P, nominal stroke 5,5 mm (self-calibrating), 300 N, 3/4 "	**SSC..**	**Push-to-open actuator**	**CA1N4895**					
		V..P45..	over 6.3 m^3/h	CM1N4845					

Key

X Preferred solution
o Admitted solution (eventually with restrictions) → consider only if **X** is not feasible.
Details see table "Suitable valve actuators"

Device		Suitable for → / Documentation ↓	RAD	CLC	FNC	VAV	FPB	INT *)	LAB
Air damper actuators									
GDB131.1E / GLB131.1E	Rotary actuator, 5/10 Nm, AC 24 V, 3-position	CM2N4634			X	X	X	X	
GDB161.1E / GLB161.1E	Rotary actuator, 5/10 Nm, DC 0 ... 10 V	CM2N4634				X	X	X	
GEB131.1E	Rotary actuator, 15 Nm, AC 24 V, 3-position	CM2N4621			X	X	X	X	
GEB161.1E	Rotary actuator, 15 Nm, AC 24 V, DC 0 ... 10 V	CM2N4621				X	X	X	
GQD131.1A	Rotary actuator, 2 Nm, AC 24 V, 3-position, spring return for emergency position (power failure)	CE1N4605			X				
GMA131.1E	Rotary actuator, 7 Nm, AC 24 V, 3-position, spring return for emergency position (power failure)	CM2N4614			X				
GCA131.1E	Rotary actuator, 18 Nm, AC 24 V, 3-position, spring return for emergency position (power failure)	CM2N4613			X				
GQD121.1A	Rotary actuator, 2 Nm, AC 24 V, 2-position, spring return for emergency position (power failure) (RXA)	CE1N4605			X				
GMA121.1E	Rotary actuator, 7 Nm, AC 24 V, 2-position, spring return for emergency position (power failure) (RXA)	CM2N4614			X				
GCA121.1E	Rotary actuator, 18 Nm, AC 24 V, 2-position, spring return for emergency position (power failure) (RXA)	CM2N4613			X				
VAV compact controller									
GDB181.1E/3 / GLB181.1E/3	VAV Compact controllers, consisting of differential pressure sensor and configurable digital controller, rotary actuator, 5/10 Nm, AC 24 V, DC 0 ... 10 V / 3-position	CM2N3544				X	X	X	X

*) INT: see CLC and. VAV as suitable

Accessories			
RXZ01.1	LONWORKS® bus terminator 52.3 Ω		CA2N3861
RXZ02.1	LONWORKS® bus terminator 105 Ω		CA2N3861
RXZ03.1 *(discontinued)*	LONWORKS® point coupler *(for Version 1 plants only)* *For Version 2 see Knowledge Base article Nr. 650*		CA2N3849
RXZ10.1	Cable set for RXT10.3	see	CA110669
RXZ20.1	Terminal covers for RX...20.1, RX...21.1 and RX...22.1		
RXZ30.1	Terminal covers for RXC30.1		
RXZ40.1	Terminal covers for RXC40.1 and RXC41.1		
SEA45.1	Current valve, AC 24 V, AC 24 V PWM, 0.4 ... 10 kW		CM1N4937
UA1T	Power amplifier for thermic valve actuators		CA2N3591
----------	Air filter for RXC32.1 controllers	see	CA2N3845

Repeaters, routers, line couplers, bus supplies
See recommended devices on the intranet!

DESIGO RX, further documentation	
Technical manual and applications library RXA	CA2A3889
Technical manual and applications library RXB (EIB) for CC-01, FC-06, VV-01	CA2A3899
Technical manual and applications library RXB (KNX) for CC-02, , FC-08, FC-09FC-10, FC-11, FC-12	CM110389
Technical manual and applications library RXL for CC-02, FC-10, FC-11, FC-12	CM110789
Applications library RXC V1	CA1Z3810
Applications library RXC V2	CA110300
Planning and installation manual RXC V1	CA1Z3800
Planning and installation manual RXC V2	CA110330

Suitable valve actuators for RXC, depending on controller type and application

RXC	10	10	10	20	21	10	20	21	20	21	10	20	21	20	21	21	20	21
	RAD01	RAD03	CLC01	CLC01	CLC01	CLC02	CLC02	CLC02	CLC03	CLC03	CLC06	CLC06	CLC06	CLC07	CLC07	CLC08	CLC09	CLC09
Actuator type coil																		
STE71			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
STE72																		
STA71 *STA72E* */ STA73*			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
STP71 *STP72E* */ STP73*			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
3rd party thermic			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
SQS81			◆	◆	◆		◆		◆	◆	◆	◆	◆		◆			◆
SSA81 (RXC39: +SSA61)			◆	◆	◆		◆		◆	◆	◆	◆	◆		◆			◆
SSB81 (RXC39: +SSB61)			◆	◆	◆		◆		◆	◆	◆	◆	◆		◆			◆
SSD81 (RXC39: +SSD61)			x	x	x		x		x	x	x	x	x		x			x
SSC81			◆	◆	◆		◆		◆	◆	◆	◆	◆		◆			◆
SSP81 (RXC39: +SSP61)			◆	◆	◆		◆		◆	◆	◆	◆	◆		◆			◆
3rd party motoric			◆	◆	◆		◆		◆	◆	◆	◆	◆		◆			◆
3rd party motoric 0...10 V																		
Actuator type radiator																		
STE71	◆			◆	◆	◆			◆	◆	◆							
STE72																		
STA71 *STA72E* */ STA73*	◆			◆	◆	◆			◆	◆	◆							
STP71 *STP72E* */ STP73*	◆			◆	◆	◆			◆	◆	◆							
3rd party thermic	◆			◆	◆	◆			◆	◆	◆							
SQS81	◆				◆				◆									
SSA81	◆				◆				◆									
SSB81	◆				◆				◆									
SSD81	x				x				x									
SSC81																		
SSP81	◆				◆				◆									
3rd party motoric	◆				◆				◆									

RXC	10	32	32	32	31	31	31	10	31	31	31	31	30	30	30	30	30	30	30
	VAV01	VAV01	VAV02	VAV03	VAV04	VAV05	VAV06	VAV07	VAV08	VAV10	VAV14	FPB05	INT01	INT02	INT03	INT04	INT05	INT06	INT07
Actuator type coil																			
STE71		◆			◆						◆		◆	◆	◆	◆	◆	◆	◆
STE72																			
STA71 *STA72E* */ STA73*		◆			◆						◆		◆	◆	◆	◆	◆	◆	◆
STP71 *STP72E* */ STP73*		◆			◆						◆		◆	◆	◆	◆	◆	◆	◆
3rd party thermic		◆			◆						◆		◆	◆	◆	◆	◆	◆	◆
SQS81		◆			◆						◆								
SSA81 (RXC39: +SSA61)		◆			◆						◆								
SSB81 (RXC39: +SSB61)		◆			◆						◆								
SSD81 (RXC39: +SSD61)		x			x						x								
SSC81		◆			◆						◆								
SSP81 (RXC39: +SSP61)		◆			◆						◆								
3rd party motoric		◆			◆						◆								
3rd party motoric 0...10 V																			
Actuator type radiator																			
STE71								◆	◆		◆		◆	◆	◆	◆	◆	◆	◆
STE72																			
STA71 *STA72E* */ STA73*								◆	◆		◆		◆	◆	◆	◆	◆	◆	◆
STP71 *STP72E* */ STP73*								◆	◆		◆		◆	◆	◆	◆	◆	◆	◆
3rd party thermic								◆	◆		◆		◆	◆	◆	◆	◆	◆	◆
SQS81								◆	◆		◆								
SSA81								◆	◆		◆								
SSB81								◆	◆		◆								
SSD81								x	x		x								
SSC81																			
SSP81								◆	◆		◆								
3rd party motoric								◆	◆		◆								

Key:

◆	Default in tool
◆	Selectable in tool
x	Not selectable in tool → select 3rd party motoric
	Discontinued

Suitable valve actuators for RXA, RXB, RXL, depending on controller type and application

	RXA													RXB (新版)						RXB							RXB									RXL								
	~~20~~	~~21~~ ~~29~~	~~22~~	~~20~~	~~21~~ ~~29~~	~~22~~	~~21~~ ~~29~~	~~20~~	~~21~~ ~~29~~	~~21~~ ~~29~~	~~20~~	~~21~~ ~~29~~	~~20~~	~~40-CC-01~~	~~21-FC-06~~	~~21-FC-06~~	~~21-FC-06~~	~~21-FC-06~~	~~40-XX-01~~	~~21-FC-09~~	~~22-FC-09~~	~~21-FC-09~~	~~22-FC-09~~	~~21-FC-09~~	~~21-FC-09~~	24 CC-02	24 CC-02	24 CC-02	21 FC-10	39 FC-13	22 FC-12	39 FC-13	21 FC-10	39 FC-13	22 FC-12	21 FC-10	39 FC-13	21 FC-11	21 FC-11	21 FC-11	21 FC-10	24 CC-02	24 CC-02	24 CC-02	21 FC-10	39 FC-13	22 FC-12	39 FC-13	21 FC-10	39 FC-13	22 FC-12	21 FC-10	39 FC-13	21 FC-11	21 FC-11	21 FC-11	21 FC-10
	FNC02	FNC02	FNC03	FNC04	FNC04	FNC05	FNC08	FNC10	FNC10	FNC12	FNC18	FNC18	FNC20	CLC02	FNC02	FNC04	FNC08	FNC20	YAY01	FNC02	FNC03	FNC04	FNC05	FNC08	FNC20	RAD01	CLC01	CLC02	FNC02	FNC02	FNC03	FNC03	FNC04	FNC04	FNC05	FNC08	FNC08	FNC10	FNC12	FNC18	FNC20	RAD01	CLC01	CLC02	FNC02	FNC02	FNC03	FNC03	FNC04	FNC04	FNC05	FNC08	FNC08	FNC10	FNC12	FNC18	FNC20
Actuator type coil																																																								
~~STE71~~	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆			◆	◆				◆	◆	◆	◆						◆		◆		◆			◆	◆	◆					◆		◆		◆			◆	◆	◆				
~~STE72~~	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆			◆	◆				◆	◆	◆	◆						◆		◆		◆			◆	◆	◆					◆		◆		◆			◆	◆	◆				
~~STA71 STA72E~~ / STA73	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆			◆	◆				◆	◆	◆	◆						◆		◆		◆			◆	◆	◆					◆		◆		◆			◆	◆	◆				
~~STP71 STP72E~~ / STP73	●	●	●	●	●	●		●	●	●	●	●			●	●				●	●	●	●						●		●		●			●	●	●					●		●		●			●	●	●				
3rd party thermic	◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆				◆				◆	◆	◆	◆						◆		◆		◆		◆	◆	◆	◆					◆		◆		◆		◆	◆	◆	◆				
~~SQS81~~		◆	◆		◆	◆	◆		◆			◆			◆	◆	◆			◆	◆	◆		◆					◆		◆		◆	◆		◆		◆					◆		◆		◆		◆		◆				
SSA81 (RX..39: SSA61)		◆	◆		◆	◆	◆		◆			◆			◆	◆	◆			◆	◆	◆		◆					◆	◆	◆	◆	◆	◆		◆	◆	◆					◆	◆	◆	◆	◆	◆		◆	◆	◆				
SSB81 (RX..39: SSA61)		◆	◆		◆	◆	◆		◆			◆			◆	◆	◆			◆	◆	◆		◆					◆	◆	◆	◆	◆	◆		◆	◆	◆					◆	◆	◆	◆	◆	◆		◆	◆	◆				
SSD81 (RX..39: SSA61)		x	x		x	x	x		x			x			x	x	x			x	x	x		x					x	x	x	x	x	x		x	x	x					x	x	x	x	x	x		x	x	x				
SSC81																																																							
SSP81 (RX..39: SSA61)		◆	◆		◆	◆	●		◆			◆			◆	◆	●			◆	◆	◆		●					◆	●	◆	●	◆	●		●	●	◆					◆	●	◆	●	◆	●		●	●	◆				
Motoric bus																				◆	◆	◆	◆						◆	◆	◆	◆	◆	◆	◆	◆	◆	◆					◆	◆	◆	◆	◆	◆	◆	◆	◆	◆				
3rd party motoric		◆	◆		◆	◆	◆		◆			◆			◆	◆	◆			◆	◆	◆		◆					◆	◆	◆	◆	◆	◆		◆	◆	◆					◆	◆	◆	◆	◆	◆		◆	◆	◆	◆	◆	◆	◆
3rd party El.Mech																													◆		◆		◆	◆																								
Actuator type radiator																																																								
~~STE71~~											◆	◆		◆												◆	◆	◆											◆			◆	◆	◆											◆				
~~STE72~~											◆	◆																																												
~~STA71 STA72E~~ / STA73											●	●		●												●	●	●											●			●	●	●											●				
~~STP71 STP72E~~ / STP73											◆	◆														◆	◆	◆											◆			◆	◆	◆											◆				
3rd party thermic											◆	◆														◆	◆	◆											◆			◆	◆	◆											◆				
~~SQS81~~																										◆	◆	◆											◆			◆	◆	◆											◆				
SSA81																										◆	◆	◆											◆			◆	◆	◆											◆				
SSB81																										◆	◆	◆											◆			◆	◆	◆											◆				
SSD81																										x	x	x											◆			x	x	x											x				
SSC81																																																							
SSP81																										◆	◆	◆											◆			◆	◆	◆											◆				
Motoric bus																										◆	◆	◆											◆			◆	◆	◆											◆				

Key:

●	Recommended
◆	Default in tools (but not recommended) (RXA: Only thermic or motoric can be set by means of DIP switches)
◆	Selectable in tools (RXA: Only thermic or motoric can be set by means of DIP switches)
x	Not selectable in tools → select 3rd party motoric
~~STE71~~	Discontinued

Actuators \ Valves		Radiator valves	Small valves			Combi valves			Old valves	
		VDN..., VEN..., VUN... Pull 	V...P45.. ≤ 6.3 m³/h Push Equal % 0.25...25 m³/h 	V..P47.. V..P47..S Push, Linear 0.25…4 m³/h 	VD..CLC Pull, for chilled ceiling 1.4 … 2.6 m³/h 	VPI45…, VPI45…Q Push, Linear 90…3'000 l/h 	VPI46…, VPI46…Q Pull, Linear 30…1330 l/h 	VPD..., VPE... Pull, for chilled ceiling 25…485 l/h 	VMP43. (Old) Push -	2W, 3W, 4W (Old) Push -
Thermic	STA73 Pull 105 N 	X			X		X	X		
	STP73 Push 105 N 			X						+ AL100 
Motoric	SSA81... SSA61... Pull 100 N 	X		NOT!	X		X	X		
	SSB81 SSB61 Push 200 N 		X						X	
	SSD81 SSD61 Push 250 N 					X	X			

Valves / Actuators		Radiator valves	Small valves			Combi valves			Old valves	
		VDN..., VEN..., VUN...	V...P45.. ≤ 6.3 m³/h	V..P47.. V..P47..S	VD..CLC	VPI45..., VPI45...Q	VPI46..., VPI46...Q	VPD..., VPE...	VMP43. (Old)	2W, 3W, 4W (Old)
		Pull	Push Equal %	Push, Linear	Pull, for chilled ceiling	Push, Linear	Pull, Linear	Pull, for chilled ceiling	Push	Push
			0.25...25 m³/h	0.25…4 m³/h	1.4 … 2.6 m³/h	90…3'000 l/h	30…1330 l/h	25…485 l/h		
									-	-
Motoric	**SSC81 SSC61 Push 300 N** 		**X**						**X**	
	SSP81.. SSP61.. Push 160 N 			**X**						+ AL100 
	5WG1 562-7AB02 *) Push / Pull 120 N KNX S-Mode 	**X Set actuator to Pull!**		**X Set actuator to Push!**	**X Set actuator to Pull!**		**X Set actuator to Pull!**	**X Set actuator to Pull!**		+ AL100 
	SQS81... (Old)								**X**	
	STA71 (..E) (Old) STA72E (Old)	**X**			**X**					
	STE71.1 (Old)	**X**			**X**					
	STP71 (..E) (Old) STP72E (Old)			**X**						+ AL100 [1] 
	STE72 (Old)			**X**						T..W

*) Order number: Siemens ET

[1] Adapter AL100 available