

ACVATIX™

Electro-hydraulic actuators for valves

SKC..



with 40 mm stroke

- SKC32.. operating voltage AC 230 V, 3-position control signal
- SKC82.. operating voltage AC 24 V, 3-position control signal
- SKC6.. op. voltage AC 24 V, control signal DC 0...10 V, 4...20 mA, 0...1000 Ω
 - SKC62/MO RS-485 for Modbus RTU communication
 - Selectable flow characteristic, position feedback, stroke calibration, LED status indication, override control
 - SKC62UA with selection of direction of operation, stroke limit control, sequence control with adjustable start point and operating range, operation of frost protection monitors QAF21.. and QAF61..
- Positioning force 2800 N
- For direct mounting on valves; no adjustments required
- With hand crank and position indication; optionally with/out spring-return function
- Optional functions with auxiliary switches, potentiometer and stem heater
- SKC..U are UL-approved

Type summary

Type			Operating voltage	Positioning signal	Spring-return		Positioning time	
	Stock no.	Electronics			Function	Time	Opening	Closing
SKC32.60 ¹⁾	BPZ:SKC32.60	-	AC 230 V	3-position	-		120 s	120 s
SKC32.60/F ^{1), 3)}	BPZ:SKC32.60/F							
SKC32.61 ¹⁾	BPZ:SKC32.61				yes	18 s		
SKC32.61/F ^{1), 3)}	BPZ:SKC32.61/F							
SKC82.60 ¹⁾	BPZ:SKC82.60		-					
SKC82.60U ²⁾	BPZ:SKC82.60U							
SKC82.61 ¹⁾	BPZ:SKC82.61		yes	18 s				
SKC82.61U ²⁾	BPZ:SKC82.61U							
SKC60 ^{1), 4)}	BPZ:SKC60	Standard	AC 24 V	DC 0...10 V 4...20 mA 0...1000 Ω	-		120 s	20 s
SKC62 ¹⁾	BPZ:SKC62							
SKC62/F ^{1), 3)}	BPZ:SKC62/F							
SKC62U ²⁾	BPZ:SKC62U							
SKC62UA ^{2), 5)}	BPZ:SKC62UA	Enhanced		Modbus RTU				
SKC62/MO ²⁾	S55195-A128	Standard						

¹⁾ Approval: CE

²⁾ Approval: CE, UL

³⁾ Only available in France

⁴⁾ Additional functions (from version ..L): direction of operation, fail-in-place

⁵⁾ Additional functions: direction of operation, stroke control limit, sequence control, signal addition

Scope of delivery

The actuator, valve and accessories are supplied in separate packaging and not assembled prior to delivery.

Ordering example

Type / Stock no.	Designation	Quantity
SKC62/MO / S55195-A128	Actuator Modbus RTU	1
ASC1.6 / BPZ:ASC1.6	Auxiliary switch	1

Power supply		
Operating voltage		
	SKC32..	AC 230 V $\pm$ 15 %
	SKC82..	AC 24 V $\pm$ 20 % (SELV/PELV)
	SKC6..	
Frequency		50 / 60 Hz
Maximum power consumption at 50 Hz		
	SKC32.60, SKC32.60/F	18 VA / 14 W
	SKC32.61, SKC32.61/F	24 VA / 18 W
	SKC82.60, SKC82.60U	15 VA / 12 W
	SKC82.61, SKC82.61U	19 VA / 14 W
	SKC60	17 VA / 13 W
	SKC62..	21 VA / 15 W
External supply cable fuse		
	SKC32..	Min. 0.5 A, slow Max. 6 A slow
	SKC82..	Min. 1.6 A, slow
	SKC6..	Max. 10 A slow

Function data			
Positioning time at 50 Hz ¹⁾			
	SKC32..	Opening, Closing	120 s
	SKC82..		
	SKC6..	Opening	120 s
		Closing	20 s
Spring-return time ¹⁾			
	SKC32.61, SKC32.61/F		18 s
	SKC82.61, SKC82.61U		
		SKC62..	
Positioning force			2800 N
Nominal stroke			40 mm
Maximum permissible medium temperature (fitted valve)			-25...220 °C
			 < 0 °C: Requires stem heater ASZ6.6

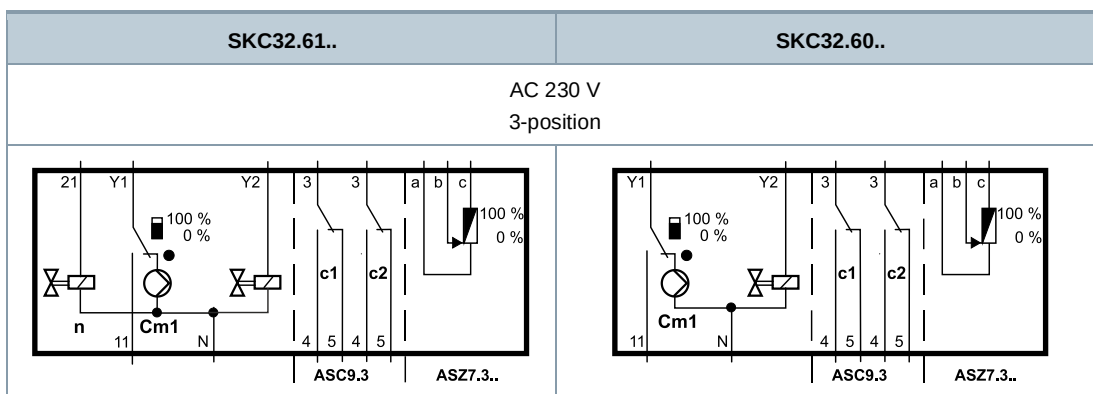
Environmental conditions		
Storage		IEC 60721-3-1 (1994)
	Climatic conditions	
		Class 1K3
		Temperature
		-15...55 °C
		Humidity (non-condensing)
		-5...95 % r.h.

Directives and standards		
Product standard		EN 60730-x
Electromagnetic compatibility (Applications)		For use in residential, commercial, and industrial environments
EU conformity (CE)		A5W00007751 ⁴⁾
UK conformity (UKCA)		A5W00221181A ⁴⁾
RCM conformity		A5W00007895 ⁴⁾
EAC conformity		Eurasia conformity for all SKC..
UL, cUL	AC 230 V	-
	AC 24 V	UL 873 http://ul.com/database

Environmental compatibility
The product environmental declarations CE1E4566enX1 (SKC32..., SKC82..) ⁴⁾ , CE1E4566enX2 (SKC6..) ⁴⁾ and A6V101083254 (external Modbus converter) ⁴⁾ contain data on environmentally compatible product design and assessments (RoHS compliance, material composition, packaging, environmental benefit, disposal).

Dimensions / Weight		
Dimensions		See "Dimensions [► 31]"
Weight		
	SKC32.60, SKC32.60/F	
	9.80 kg	
	SKC32.61, SKC32.61/F	
	9.85 kg	
	SKC82.60	
	9.80 kg	
	SKC82.60U	
	10.10 kg	
	SKC82.61	
	9.85 kg	
	SKC82.61U	
	10.15 kg	
	SKC60	
	SKC62, SKC62/MO	
	9.85 kg	
		External Modbus converter
	0.15 kg	
	SKC62U, SKC62UA	
	10.15 kg	

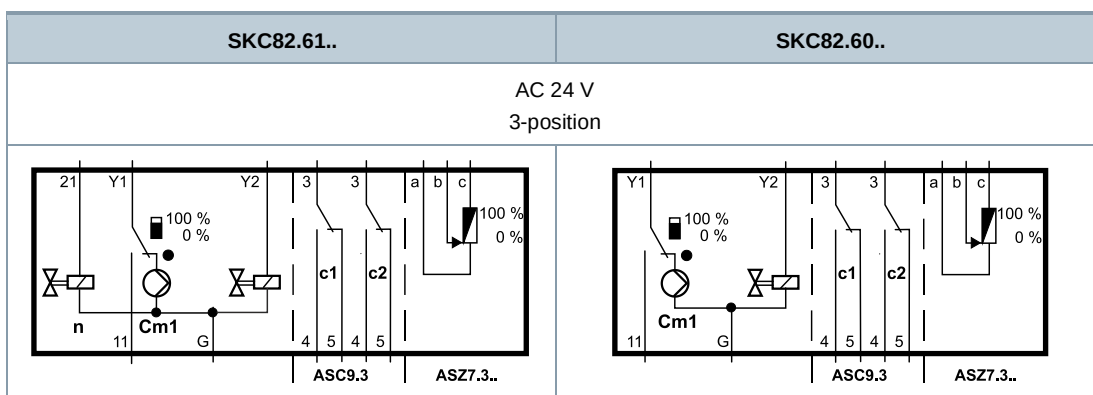
SKC32..



Cm1 End switch
n Solenoid valve for spring-return
c1, c2 ASC9.3 double auxiliary switch
a, b, c ASZ7.3 potentiometer

Y1 Positioning signal "open"
Y2 Positioning signal "close"
21 Spring-return function
N Neutral conductor

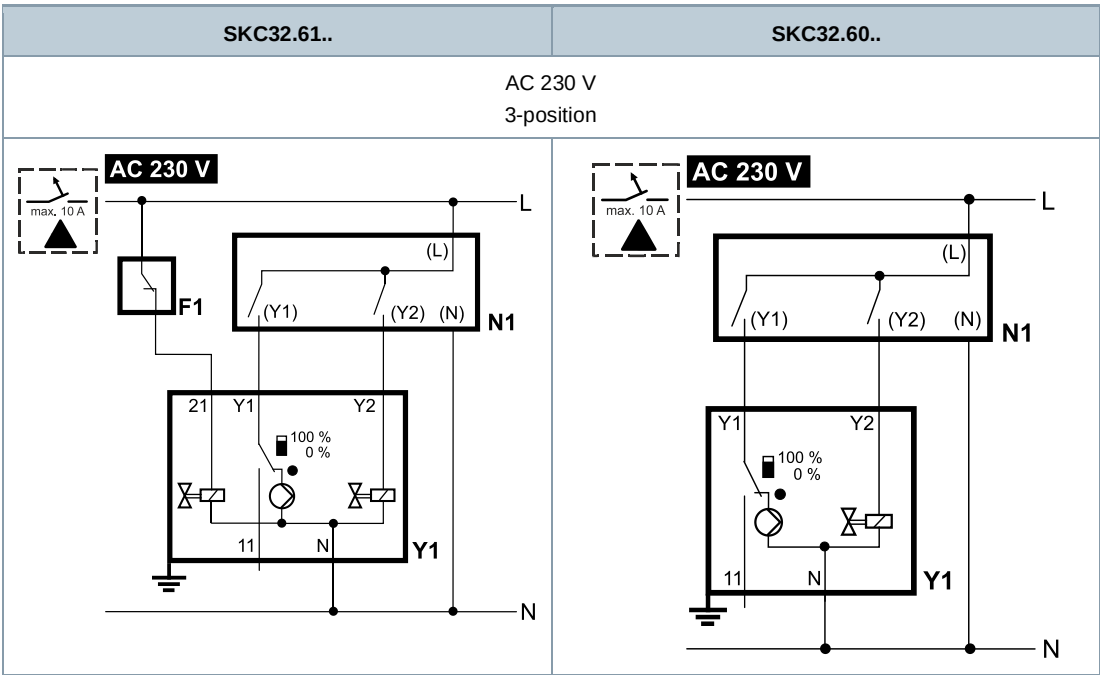
SKC82..



Cm1 End switch
n Solenoid valve for spring-return
c1, c2 ASC9.3 double auxiliary switch
a, b, c ASZ7.3 potentiometer

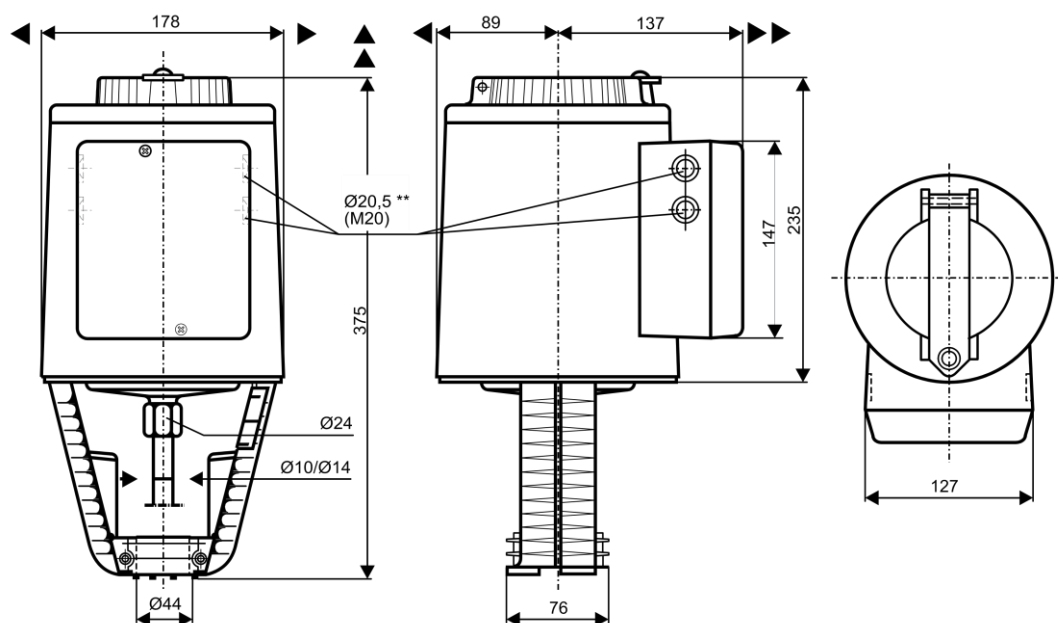
Y1 Positioning signal "open"
Y2 Positioning signal "close"
21 Spring-return function
G System potential

SKC32..



F1	Safety limiter (e.g. temperature limiter)	Y1	Positioning signal "open"
N1, N2	Controller	L	Phase
Y1, Y2	Actuators	N	Neutral
		21	Spring-return function

Actuator

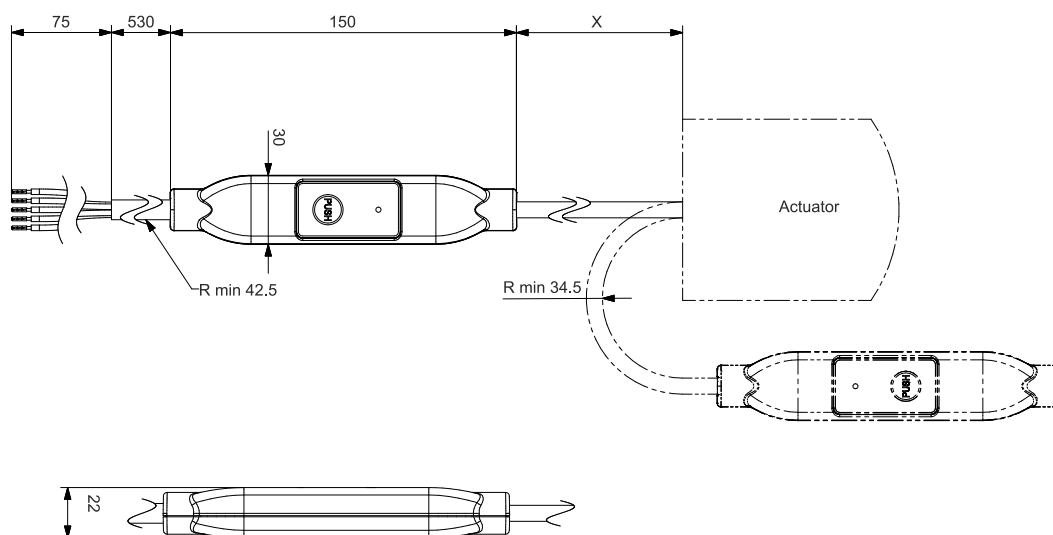


Dimensions in mm

** SKC..U: with knockouts for standard ½" conduit connectors (Ø 21.5 mm)

- ▶ > 100 mm, minimum clearance from ceiling or wall for mounting
- ▶▶ > 200 mm, for connection, operation, maintenance, etc.

External Modbus converter



Dimensions in mm

X 250 mm

Revision numbers

Type	Valid from rev no.	Type	Valid from rev no.
SKC32.60	..D	SKC60	..G
SKC32.60/F	..D	SKC62	..G
SKC32.61	..D	SKC62/F	..G
SKC32.61/F	..D	SKC62U	..G
SKC82.60	..D	SKC62UA	..G
SKC82.60U	..D	SKC62/MO	..H
SKC82.61	..D		
SKC82.61U	..D		