

## Pump unit

# QLS 401 SSV



### Description

The Quicklub QLS 401 SSV is a complete lubrication system that includes all necessary monitoring and control functions, as well as a pressure-relief valve and an enhanced reservoir-stirring paddle that prevents grease separation. Outlet connections and standard-pressure plastic tubing must be ordered separately. Up to 18 lubrication points can be supplied via an SSV metering device with fixed output amount and can be monitored directly from the pump. The unit's integrated, all-in-one system concept reduces installation time and costs.

### Features and benefits

- Back- or bottom-mounted metering devices
- Internal lubricant return possible
- Integrated pressure-relief valve
- External programming via keypad
- System monitoring with display of faults

### Applications

- Industrial and mobile applications
- Food processing
- Farm machinery
- Machine tools

### Technical data

Function principle	electrically operated piston pump with stirring paddle
Operating temperature	-25 to +70 °C; -13 to +158 °F
Operating pressure	205 bar; 2 975 psi
Lubricant	grease: NLGI 2 fluid grease: NLGI 00, 000 up to 18
Outlets	up to 18
Metering quantity <sup>1)</sup>	1,0 cm <sup>3</sup> /min; 0.06 in <sup>3</sup> /min
Reservoir	1; 2 l; 0.26; 0.53 gal
Connection main line	see information for SSV via connection block: G 1/8
Operating voltage	12/24 V DC; 120 and 230 V AC (± 10%)
Protection class	IP 6K9K, NEMA 4
Dimensions	min. 237 × 215 × 230 mm max. 237 × 235 × 353 mm min. 9.33 × 8.46 × 9.05 in max. 9.33 × 9.25 × 13.89 in
Mounting position	upright

<sup>1)</sup> Before metering devices



### NOTE

Further technical information, technical drawings, accessories, spare parts or product function descriptions are available on [SKF.com/lubrication](http://SKF.com/lubrication):

**951-171-003 EN**

## Pump unit and accessories

# QLS 401 SSV

<b>Identification code</b>	<b>P401</b>
<b>Product design</b>	
<b>Metering devices SSV...</b>	
0 = external SSV 6-KNQLS, SSV 8-KNQLS 1 = external SSV 12-KNQLS, SSV 18-KNQLS 3 = SSV 6, rear-mounted	4 = SSV 8, rear-mounted 6 = SSV 12, rear- or bottom-mounted 9 = SSV 18, rear- or bottom-mounted
<b>Assignment of metering device outlets</b>	
0 = no metering device 1 = vertical metering device outlets, V, back mounted 2 = horizontal metering device outlets, H, bottom mounted <sup>1)</sup>	
<b>Operating voltage</b>	
2 = 12 V DC, available with or without control P.C.B. 4 = 24 V DC, available with or without control P.C.B. 6 = 120 V AC, available with control P.C.B. only 8 = 230 V AC, available with control P.C.B. only	
<b>Reservoir</b>	
0 = 1XN, 1 l; 0.26 gal, without low-level indication 1 = 1XL, 1 l; 0.26 gal, with low-level indication	2 = 2XN, 2 l; 0.53 gal, without low-level indication 3 = 2XL 2 l; 0.53 gal, with low-level indication
<b>Connections</b>	
0 = 1 connection left side, power supply (V DC/V AC) 1A, square plug. For industrial applications 2 = 1 connection left side, power supply (V DC) 1A, low-level or fault indication, bayonet plug. For vehicles only 1 = 2 connections: 1 × left side for power supply (V DC/V AC) 2A 1 × right side for external low-level or fault indication, square plug. For industrial applications	
<b>Connection socket design</b>	
1 = square plug design A. For industrial applications <sup>2)</sup> 5 = bayonet plug 4-pole design. For vehicles <sup>3)</sup>	
<b>Electrical connector types</b>	
1 = with connection socket, without cable <sup>1)</sup> 5 = with connection socket and cable (10 m; 33 ft) <sup>1)</sup> 6 = with connection socket and ADR cable (10 m; 33 ft) <sup>1)</sup>	7 = with connection socket, bayonet and cable (10 m; 33 ft) <sup>2)</sup> 8 = with connection socket, bayonet and ADR cable (10 m; 33 ft) <sup>2)</sup>
<b>Control printed circuit board (P.C.B.)</b>	
0 = without 4 = control P.C.B. S4 for 12/ 24 V DC; NC and NO contacts programmable 1-5 cycles 4 = control P.C.B. S4 for 120/ 230 V AC; NC and NO contacts programmable; 1-3 cycles (SSV 6/ SSV 8), 1 cycle (SSV 12/ SSV 18) 5 = control P.C.B. S4 for 12/ 24 V DC; NO contact signal <sup>4)</sup> 5 = control P.C.B. S5 for 120/ 230 V AC; NO contact signal; 1-3 cycles, (SSV 6/ SSV 8), 1 cycle (SSV 12/ SSV 18) <sup>4)</sup> 6 = control P.C.B. S6 for 12/ 24 V DC; NC contact signal <sup>4)</sup> 6 = control P.C.B. S6 for 12/ 24 V DC; NC contact signal: 1-3 cycles (SSV 6/ SSV 8) 1 cycle (SSV 12/ SSV 18) <sup>4)</sup>	
<sup>1)</sup> Not for use in areas with impact loads or vehicles <sup>2)</sup> Connection types 1, 5, 6 can be combined with square plug version (1) only	<sup>3)</sup> Connection types 7, 8 can be combined with bayonet plug version (5) only <sup>4)</sup> Control P.C.B. can be combined with XN reservoir versions only

### Pump element and outlet accessories

Order number	Description
650-28856-1	pump element K6
226-14091-4	outlet push-in fitting with clamping ring; check valve for hose with stud for Ø 6 mm
504-30344-4	outlet check valve assembly
303-17499-3	outlet closure plug with sealing edge

### Accessories

Order number	Description
664-36078-7	cable kit, square plug black, cable (10 m, 33 ft); 4-core, grounding on pos. 180
664-36078-9	cable kit, square plug black, cable (10 m, 33 ft); 4-core, grounding on pos. 0
664-34045-1	cable kit, bayonet plug, cable (10 m, 33 ft) 4-core