

Calio S BMS High-efficiency Circulator Pump

Maintenance-free high-efficiency screw-ended glandless pump, non-overloading synchronous motor with ECM technology, integrated continuously variable differential pressure control. Energy efficiency index (EEI) exceeds the ErP 2015 requirements. For heating and air-conditioning applications. Two-piece thermal insulation shell to EnEV (German energy-saving regulations) included in the scope of supply.

Operating modes

- Constant-pressure control
- Proportional-pressure control
- Eco Mode with dynamic differential pressure setpoint adjustment
- Boost Mode (open-loop control)

Functions

- Manual setting of operating mode
- Setpoint input for differential pressure manual or via external analog 0 - 10 VDC signal
- Setpoint input for speed (open-loop control) manual or via external analog 0 - 10 VDC signal
- Control panel with integrated symbols, showing the operating mode and, in alternation, the electrical input power and the flow rate
- Error codes indicated on the display
- Automatic setback operation, can be enabled
- Automatic venting
- Soft start with limitation of starting current
- Deblocking function
- Integrated motor protection function

Communication interfaces integrated in the pump

- Terminal pair for external analog 0 - 10 VDC signal
- Terminal pair for external ON/OFF of the pump
- General fault message relay (changeover contact)

Operating data

Fluid handled	:	
Flow rate	:	
Head	:	
Fluid temperature	:	
Permissible fluid temperature min./max.	:	-10 to +110 °C
Maximum operating pressure	:	10 bar
Max. ambient temperature	:	+40 °C

Motor/electronics

Energy efficiency index (EEI)	:	
Electromagnetic compatibility	:	
Interference emissions	:	EN 61000-6-3
Interference immunity	:	EN 61000-6-2
Power supply	:	1~230 VAC +/- 10 %, 50/60 Hz
Power input P1	:	
Speed min. ... max.	:	
Current input max.	:	
Enclosure	:	IP44

Materials

Pump casing	:	grey cast iron with cathodic electrocoating (EN-GJL-200)
Impeller	:	plastic with glass fibre content (PSU-GF30)
Pump shaft	:	stainless steel 1.4034
Bearing	:	ceramics/carbon

Connection dimensions

Pipe connection :
Overall length :

Purchase order information:

Approx. net weight :
Make : KSB
Type : Calio S BMS
Material price group : 53

Item No. :

Typical Tender Calio S BMS

1157.524/02-EN

Subject to technical modification without prior notice.