ENGINEERING TOMORROW

Data Sheet

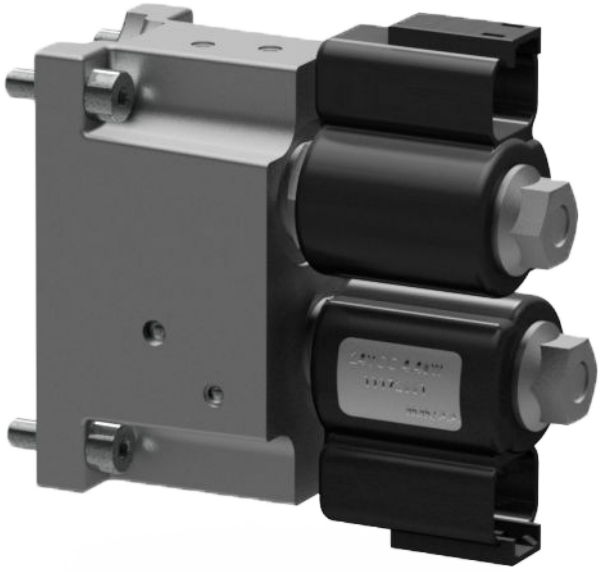
EVHCO80LS

EVHCO Low Current On/Off Actuation

The EVHCO is the latest electrohydraulic on/off actuator offering to join ECO80LS portfolio.

The EVHCO provides the advantage of economy and lower power consumption yet provides the same form fit and function as earlier EVHCO actuators.

The EVHCO is now matched to a new family of main spools which ensures the best response time at the low energy levels.



Features

Control Specification

Supply Voltage (UDC)	**Rated**	12 VDC	24 VDC
	Range	11 to 15 VDC	22 to 30 VDC
Current (A)	22°C - Coil temp	0.36 A	0.18 A
Resistance (Ω)		33.26 Ω ±10%	130.91 Ω ±10%
Power (W)		4.33 W	4.40 W
Duty Cycle		100 %	
Reaction time from neutral position to max. spool travel		Max. 300 ms	

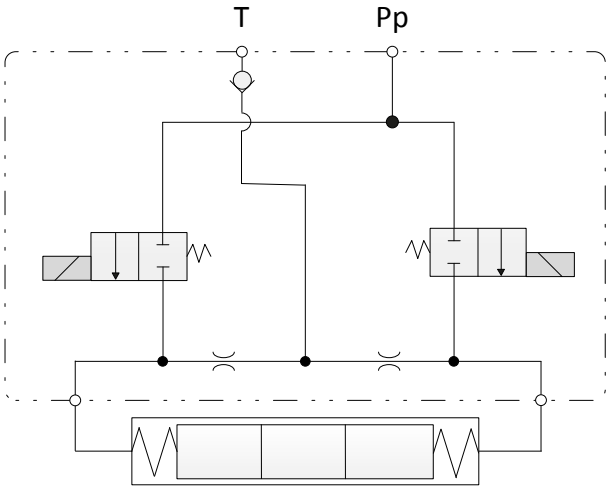
Operating conditions

Pilot pressure (bar)	Minimum	10 bar
	Maximum	28 bar
Tank pressure (bar)	Static	25 bar
	Dynamic	40 bar
Oil temperature (°C)	Recommended	30 → 60 °C
	Minimum	-30 °C
	Maximum	90 °C
Ambient temperature	Minimum	-30 °C
	Maximum	60 °C
Oil viscosity	Operating range	12 - 75 mm^2/s
	Minimum viscosity	4 mm^2/s
	Maximum viscosity	460 mm^2/s

Filtration/max contamination according to ISO 4406	23/19/16

Connector type	Protection class
Deutsch DT04-2P	IP 67

EVHCO Hydraulic Schematic



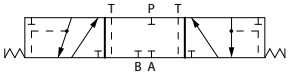
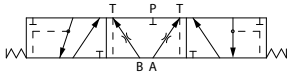
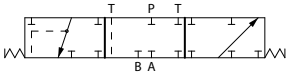
Part numbers EVHCO

Description	Part number
EVHCO-ACTUATOR-DT-12V	11186922
EVHCO-ACTUATOR-DT-24V	11186911

Service kit EVHCO

Description	Part number
SVC KIT-EVHCO-COIL-DT-12V-4.3W	11198786
SVC KIT-EVHCO-COIL-DT-24V-4.4W	11198787
SVC KIT-EVHCO-SEALS	11198712

Part numbers EVBS, Electrical on/off spools (soft spring)

Symbol	Code number					
	Spool size, flow range l/min					
	A	B	C	D	E	F
	8	25	40	60	80	100
 4-way, 3-position Closed neutral position	11192205	11192207	11192209	11192252	11192257	11192264
 4-way, 3-position Throttled, open neutral position	11192206	11192208	11192239	11192262	11192259	11192265
 3-way, 3-position Closed neutral position, P -> A	11192236	11192238	11192241	11192255	11192263	Not available

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