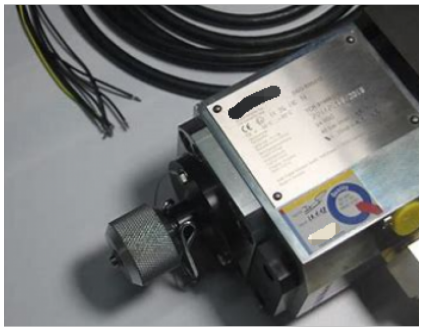

Electro-hydraulic converter DSG-B05243

URL:https://www.sxplc.com/electro-hydraulic-converter-dsg-b05243

Product data sheet

DSG-B05242

1.1 I/H converter

I/H converter	DSG-B05243	DSG-B10243	DSG-B30243	
Article number	91868300 /01	91868320	91868350	
Instruction Manual No.	9183626018859			
CE Ex Marking:	CE Ex II 2G IIC T4			
Protection	IP 65 as per EN 60529			
Ambient temperature TA	-30 ... +60			°C
Ambient temperature (storage)	-40 ... +90			°C
Installation conditions	☒ Indoor installation ☐ Offshore ☐ Outdoor installation ☒ Industr. atmosph.			
Hydraulic Data				
Supply pressure P max.	See 6.2.1			bar
Supply pressure P min.	PA max + 1.5			bar
Pressure adjusting range PA (output pressure)	See Chapter 6.2.1.			
Flow rate P → A at ΔP = 1 bar	See Chapter 6.2.1.			l/min
Flow rate A → T at ΔP = 1 bar	See Chapter 6.2.1.			l/min
Return pressure at T	0			bar
Leakage at T (Toil = 50 °C and P=10 bar)	< 4			l/min
Operating medium				
Type	☒ Hydraulic oil as per DIN 51524 ☒ Turbine oil as per DIN 51515 ☐ High-flash point fluid[1]			
Ex oil temperature during operation	+10 ... +60			°C
Cleanliness grade (ISO VG 4406)	- / 19 / 16			
Viscosity (DIN 51519)	ISO VG 32 ... ISO VG 46			
Mechanical Data				
Weight	approx. 12			kg
Installation position	See Chapter 10			
Dimensions, fastening	See Chapter 10			
Hydraulic connection	See Chapter 10			
Sealing material	☒FPM[2] ☐NBR[3] ☐Special design[4]			

1) according to the customer's specification and consultation with J.M. Voith SE & Co. KG | Division Digital Ventures

2) Fluor-caoutchouc

3) Acrylnitril-Butadien-caoutchouc

4) according to the customer's request or especially for high-flash point fluids

Electrical Data		
Supply voltage	24 (+10% / -15%)	V DC
Current consumption	approx. 0.7, max. 3 for t < 1 sec	A
Control Parameters		
Setpoint w for pressure adjusting range PA min….PA max	w = 4 … 20	mA
Input load	78	Ω
Input configuration ☐ E360 Electronics ☒ E503 Electronics	 Applied, related to GND Isolated (500 kΩ)	
Setpoint limitation ☐ E360 Electronics ☒ E503 Electronics	 w > 35 w < 90	 mA mA
Adjustment ranges X0 and X1	See Chapter 6.2.1	
Magnetic force switch-off at (only with E503 electronics)	w < 2	mA
Voith Control Magnet (VRM)		
Ⓔx marking with cable end	Ⓔx II 2G Ex db IIC T4 Gb	
Protection	IP 65 as per EN 60529	
Ambient temperature TA at T4	-30 … +60	°C
…in connection with Ⓔx components		
☒ Cable entry (cable end design)	Ⓔx II 2G Ex db IIC T4-T6 Gb