








## **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			
  Marking:	  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	<input checked="" type="checkbox"/> Indoor installation <input type="checkbox"/> Offshore <input type="checkbox"/> Outdoor installation <input checked="" type="checkbox"/> Industr. atmosph.			
<b>Hydraulic Data</b>				
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	<input checked="" type="checkbox"/> Hydraulic oil as per DIN 51524 <input checked="" type="checkbox"/> Turbine oil as per DIN 51515 <input type="checkbox"/> High-flash point fluid <sup>1)</sup>			
 oil temperature during operation	+10 ... +60			°C
Cleanliness grade (ISO VG 4406)	- / 19 / 16			
Viscosity (DIN 51519)	ISO VG 32 ... ISO VG 46			
<b>Mechanical Data</b>				
Weight	approx. 12			kg
Installation position	See Chapter 10			
Dimensions, fastening	See Chapter 10			
Hydraulic connection	See Chapter 10			
Sealing material	<input checked="" type="checkbox"/> FPM <sup>2)</sup> <input type="checkbox"/> NBR <sup>3)</sup> <input type="checkbox"/> Special design <sup>4)</sup>			

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

<b>Electrical Data</b>		
Supply voltage	24 (+10% / -15%)	V DC
Current consumption	approx. 0.7, max. 3 for t < 1 sec	A
<b>Control Parameters</b>		
Setpoint w for pressure adjusting range PA min....PA max	w = 4 ... 20	mA
Input load	78	Ω
Input configuration <input type="checkbox"/> E360 Electronics <input checked="" type="checkbox"/> E503 Electronics	Applied, related to GND Isolated (500 kΩ)	
Setpoint limitation <input type="checkbox"/> E360 Electronics <input checked="" type="checkbox"/> 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
<b>Voith Control Magnet (VRM)</b>		
 marking with cable end	 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  components		
<input checked="" type="checkbox"/> Cable entry (cable end design)	 II 2G Ex db IIC T4-T6 Gb	

