



NOTE: 1
DESIGN CODE:
Electronics & Coil Based on Fully API 17F
& API 17H Qualified System

NOTE: 2
PROPERTIES:
Application: Intervention
Design Water Depth: 1000
Weight in Air: 15,3 kg
Volume: 5,75 dm³
Submerged Weight: 9,4 kg

NOTE: 3
ADDITIONAL INFORMATION:
300W Inductive Connector for wireless transfer of power and communication. Designed for installation in Blue Logic's Charging Station, for charging of underwater intervention drones.
Metallic parts in Super Duplex suitable for permanent installation.
The Connector is made SWiG compatible and fully compliant to API17F, API 17H, and to Equinor TR1231 Appendix D.
A new MK3 Flange Iterface for Pressure Balanced Oil Filled (PBOF) Hose attachment has been included and qualified. This makes it possible to interface any type of equipment.

Input Volt 400 VDC +/- 10%
Output Volt 325VDC +/-5%
Output current 1,1A
Efficiency @350W 86%
Start-up time 100 sec.

Connector shall NOT be connected to a CP-System as described in Installation Manual, ref.: 500419-TD-0015

NOTE 4
SubConn Pin Configuration:

Subconn Male: BCR2410M	
Pin	Signal
1	Power +
2	Power 0V
3	Chassis
4	Optional Serial RX
5	Optional Serial TX
6	Optional Serial GRD
7	TX_p
8	TX_n
9	RX_p
10	RX_n

NOTE 5
Available Interfaces (can be configured). See Datasheet for details, ref.: 500419-TD-0017

ID	Description
1	+325VDC OUT
2	GND – 325VDC (0V)
3	Chassis
4	RS232/RS485 TX/A EXT COM
5	RS232/RS485 RX/B EXT COM
6	RS232/RS485 GND EXT COM
7	L3-G Eth1 TX+ Config.
8	L3-H Eth1 TX- Config.
9	L3-K Eth1 RX+ Config.
10	L3-L Eth1 RX- Config.
11	L3-E Eth2 TX+ Transparent
12	L3-F Eth2 TX- Transparent
13	L3-I Eth2 RX+ Transparent
14	L3-J Eth2 RX- Transparent

								Unless Noted Otherwise:	Dwg. Scale: NTS	Drawing title: F30-80 Pri-Cage 250W 400VDC Ethernet Golden Unit							
						Dim. Tol: NS-ISO 2768-1M		Dwg Proj: 									
02	18.8.2023	7-IFC (Issued for Construction)		WTJ	HSE	WTJ		Roughness: Ra3.2	Dwg Format: A3								
01	1.3.2023	7-IFC (Issued for Construction)		WTJ	BNE	HSE		Fillet Rad: Corner Rmax: 1	Break Edges: (R. Alt. 45°) R= 0,1-0,5	Drawing number: BB9065	Article number:			Rev. 02			
Rev.	Date	Reason for issue	Revision change	Made	Chk'd	Appr.											

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