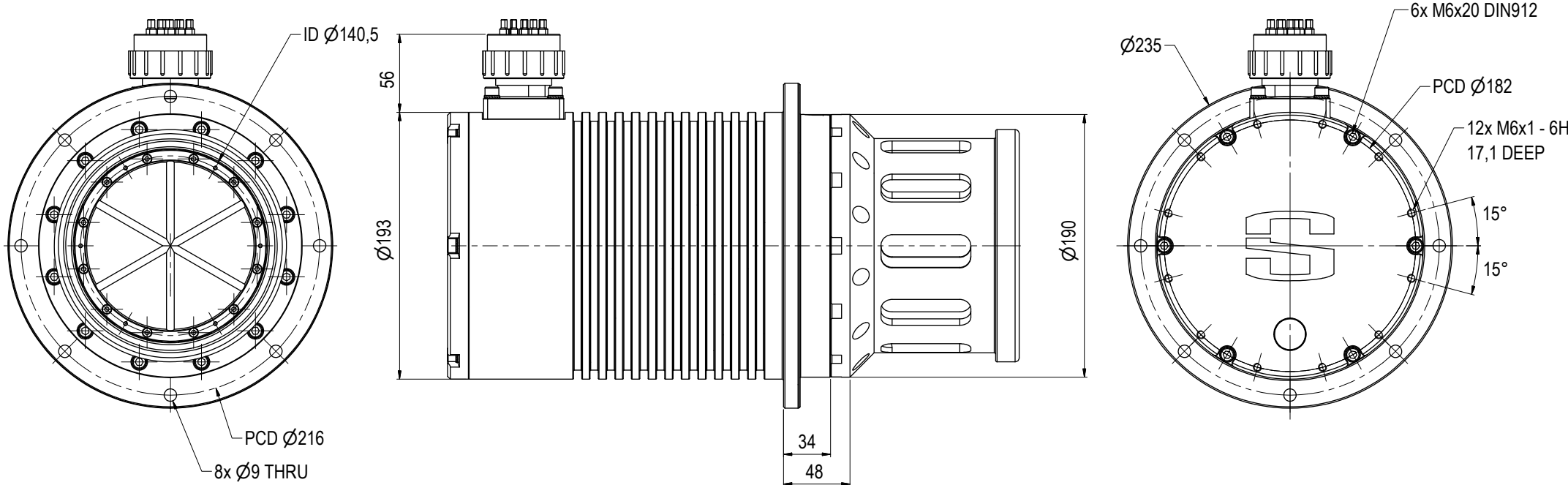




NOTE: 1
DESIGN CODE:
Electronics & Coil Based on Fully API 17F
& API 17H Qualified System

NOTE: 2
PROPERTIES:
Application: Intervention
Design Water Depth: 1000
Weight in Air: 15,3 kg
Volume: 5,79 dm³
Submerged Weight: 9,41 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.
The Golden Unit is made in the same way and uses the same electronic components as the 17F Qualified Super Duplex Connectors. An 16 Pin SubConn is mounted on the MK3 Flange can facilitate other types of dry-mate connections or even an oil filled hose.

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

Connector shall be connected to a CP-System as described in Installation Manual, ref.: 500419-TD-0015

NOTE 4
SubConn Pin Configuration:

Connector SubConn 3/4" BH16MSS			
Pin	Signal		
1	Black	+ Power	
2	White	- (0) Power	
3	Red	Chassis	
4	Green	Ethernet RX-	
5	Orange	Ethernet RX+	
6	Blue	Ethernet TX-	
7	White/Black Stripe	Ethernet TX+	
8	Red/Black Stripe	RX- Config	
9	Green/Black Stripe	RX+ Config	
10	Orange/Black Stripe	TX- Config	
11	Blue/Black Stripe	TX+ Config	
12	Black/White Stripe	NC	
13	Red/White Stripe	Screen	
14	Green/White Stripe	NC	
15	Blue/White Stripe	NC	
16	Black/Red Stripe	NC	

NOTE 5
Optional 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

Rev.	Date	Reason for issue	Revision change	Made	Chk'd	Appr.			Unless Noted Otherwise:	Dwg Scale:	Drawing title:	Drawing number:	Article number:	Rev.
03	14.8.2024	7-IFC (Issued for Construction)		WTJ	HSE	WTJ			Dim. Tol:	NTS	F30-80 Pri-Cage 250W 400VDC Ethernet Golden Unit			
02	18.8.2023	7-IFC (Issued for Construction)		WTJ	HSE	WTJ			Dim. Tol:	NS-ISO 2768-1M				
01	1.3.2023	7-IFC (Issued for Construction)		WTJ	BNE	HSE			Roughness:	Ra3,2				
									Fillet Rad:	Corner Rmax: 1				
									Break Edges:	(R. Alt. 45°) R= 0,1-0,5				