

5.0 Smart BU-xH20XF Specifications

Table 3. Smart BU-xH20XF Specifications

Item	Description			
Power	V _{in}	+7 to +28 VDC		
Radio	Frequencies	BU-2H20XF: 2405–2480MHz @ 100mW BU-9H20XF: 906–924MHz @ 10mW		
	License	License-Free		
	Modulation	DSSS		
	Antenna	Internal or External (RP-TNC)		
Environment	Operating Temp	–20° C to 55° C (–4° F to 131° F)		
	Storage Temp	–40° C to 85° C (–40° F to 185° F)		
	Humidity	0 to 100%		
	Vibration/Shock	IEC60068-2-6 10 Hz to 150 Hz @ 1.0 g peak acceleration 10.0 g peak shock acceleration		
Enclosure	Dimensions	mm: 133 x 118 x 36 (inch: 5.25 x 4.7 x 1.4)		
	Durability	High Impact Polymer		
	Mounting Holes	mm: 7.40 dia.; 102 center-to-center Inch: 0.29 dia.; 4.00 center-to-center		
LED Indicators (11 Red)	Unmarked	Inactive		
	+V1, +V2, +V3	OK when lit solid		
	1	Health:	blinks 1x/sec when active	
	2	RF Transmit:	flashes when active	
	3	RF Receive:	flashes when active	
	4	CAN Transmit:	flashes when active	
	5	CAN Receive:	flashes when active	
	6	Output:	blinks 1x/sec when active	
	7	Input:	blinks 1x/sec when active	
8	Error:	solid when error present		
Outputs/Inputs	20	FET—Open Drain		
	Current	2 A per channel 8 A Max. @ 55° C / 131° F		
Digital I/O (20)	Assignments	M1 P2–9 M4 P2–12 M7 P2–3 M10 P1–11 M13 P1–7 M16 P1–10 M19 P2–5	M2 P2–10 M5 P2–1 M8 P2–4 M11 P1–4 M14 P1–8 M17 P1–1 M20 P2–6	M3 P2–11 M6 P2–2 M9 P1–12 M12 P1–5 M15 P1–9 M18 P1–2
Analog (2)	Assignments	A1–M2 P2:10 A2–M4 P2:12		
Optional Umbilical Communications	CAN Bus	SAE J1939		