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Dimensions in: mm [inches]

Weight 4,5 Kg / 9,9 lb

Ver.	Date	Name	MODIFICATION
1	11-03-15	G.Tomé	Generation of the drawing
2	01-06-15	G.Tomé	General update
3	23-06-16	G.Tomé	X16 Analog input board added

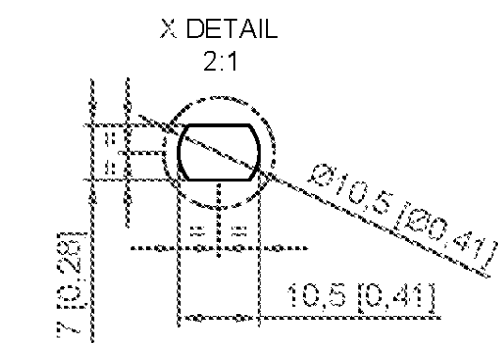
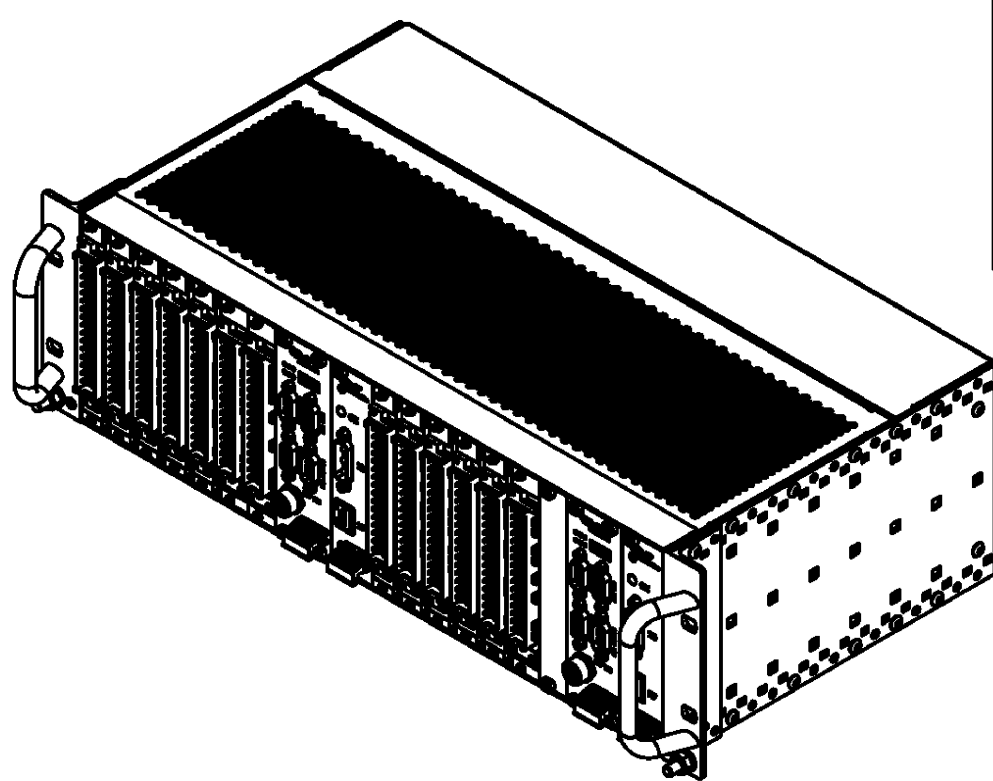
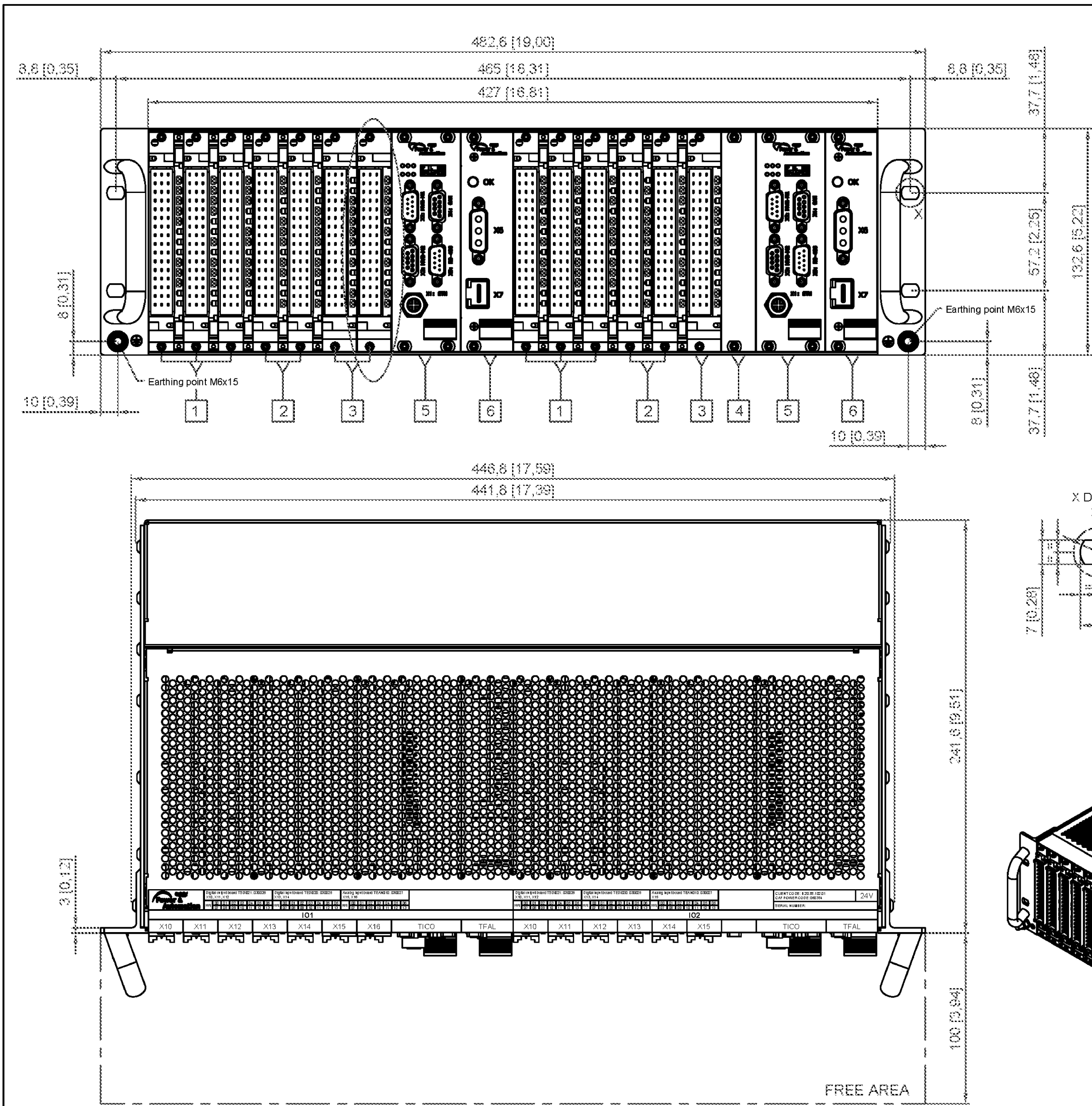
SCALE	1/2
Drawn	Date 11-03-15 Name G.Tomé
Approved	Date 11-03-15 Name G.Tomé


GENERAL LINEAR TOLERANCES (DIMENSIONS)					
CLASS	F 0.1	F 0.2	F 0.5	F 1.0	F 1.6
FINISH	0.05	0.05	0.05	0.05	0.05


6	TFAL010	060112	--	6 HP	2
5	TICO002	060111	--	8 HP	2
4	PL_4_CIEGA	010030	--	4 HP	1
3	Analog input board TEAN010	030027	--	4 HP	3
2	Digital input board TEDI020	030025	--	4 HP	4
1	Digital output board TSDI021	030026	--	4 HP	6


Pos.	Description	CAF Power Code	Manufacturer Part	Notes	Quant.
Reference IOM862_3SD2ED2EA_3SD2ED1EA					
Designation OVERALL DRAWING					

	Version	03.00
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DIGITAL OUTPUT BOARD CONNECTOR: F48 MALE						
CONNECTOR	PIN	SIGNAL	PIN	SIGNAL	PIN	SIGNAL
	32z	NC15	32b	COM15	32d	NA15
	30z	NC14	30b	COM14	30d	NA14
	28z	NC13	28b	COM13	28d	NA13
	26z	NC12	26b	COM12	26d	NA12
	24z	NC11	24b	COM11	24d	NA11
	22z	NC10	22b	COM10	22d	NA10
	20z	NC09	20b	COM09	20d	NA09
	18z	NC08	18b	COM08	18d	NA08
	16z	NC07	16b	COM07	16d	NA07
	14z	NC06	14b	COM06	14d	NA06
	12z	NC05	12b	COM05	12d	NA05
	10z	NC04	10b	COM04	10d	NA04
	8z	NC03	8b	COM03	8d	NA03
	6z	NC02	6b	COM02	6d	NA02
	4z	NC01	4b	COM01	4d	NA01
	2z	NC00	2b	COM00	2d	NA00

DIGITAL INPUT BOARD CONNECTOR: F48 MALE						
CONNECTOR	PIN	SIGNAL	PIN	SIGNAL	PIN	SIGNAL
	32z	E00	32b	Vref0-	32d	E01
	30z	E02	30b	Vref0-	30d	E03
	28z	E04	28b	Vref0-	28d	E05
	26z	E06	26b	Vref0-	26d	E07
	24z	E08	24b	Vref0+	24d	E09
	22z	E10	22b	Vref0+	22d	E11
	20z	E12	20b	Vref0+	20d	E13
	18z	E14	18b	Com0 for E12, E15	18d	E15
	16z	E16	16b	Vref1-	16d	E17
	14z	E18	14b	Vref1-	14d	E19
	12z	E20	12b	Vref1-	12d	E21
	10z	E22	10b	Vref1-	10d	E23
	8z	E24	8b	Vref1+	8d	E25
	6z	E26	6b	Vref1+	6d	E27
	4z	E28	4b	Vref1+	4d	E29
	2z	E30	2b	Com1 for E28, E31	2d	E31

ANALOG INPUT BOARD CONNECTOR: DIN41612 F48 MALE						
CONNECTOR	PIN	SIGNAL	PIN	SIGNAL	PIN	SIGNAL
	32z	GND	32b	GND	32d	GND
	30z	Channel 0 GND	30b	Channel 0 voltage mode	30d	Channel 0 GND
	28z	Channel 0 current loop	28b	Channel 0 voltage mode	28d	Temp. 0
	26z	NC	26b	NC	26d	NC
	24z	NC	24b	NC	24d	NC
	22z	Channel 1 GND	22b	Channel 1 voltage mode	22d	Channel 1 GND
	20z	Channel 1 current loop	20b	Channel 1 voltage mode	20d	Temp. 1
	18z	NC	18b	NC	18d	NC
	16z	NC	16b	NC	16d	NC
	14z	Channel 2 GND	14b	Channel 2 voltage mode	14d	Channel 2 GND
	12z	Channel 2 current loop	12b	Channel 2 voltage mode	12d	Temp. 2
	10z	NC	10b	NC	10d	NC
	8z	NC	8b	NC	8d	NC
	6z	Channel 3 GND	6b	Channel 3 voltage mode	6d	Channel 3 GND
	4z	Channel 3 current loop	4b	Channel 3 voltage mode	4d	Temp. 3
	2z	GND	2b	GND	2d	GND

TICO (X2) MVB CONNECTOR, D-SUB9 MALE		
CONNECTOR	PIN	SIGNAL
	1	A Data P Line A+
	2	A Data N Line A-
	3	Not connected
	4	B Data P Line B+
	5	B Data N Line B-
	6	A Term. P - pole of TERMINATOR of line A Connect to A Data P of terminator
	7	A Term. N - pole of TERMINATOR of line A Connect to A Data N of terminator
	8	B Term. P - pole of TERMINATOR of line B Connect to B Data P of terminator
	9	B Term. N - pole of TERMINATOR of line B Connect to B Data N of terminator
	Shield	CONNECT TO GND

TICO (X3) MVB CONNECTOR, D-SUB9 FEMALE		
CONNECTOR	PIN	SIGNAL
	1	A Data P Line A+
	2	A Data N Line A-
	3	NC
	4	B Data P Line B+
	5	B Data N Line B-
	6	A Term. P - pole of TERMINATOR of line A Connect to A Data P of terminator
	7	A Term. N - pole of TERMINATOR of line A Connect to A Data N of terminator
	8	B Term. P - pole of TERMINATOR of line B Connect to B Data P of terminator
	9	B Term. N - pole of TERMINATOR of line B Connect to B Data N of terminator
	Shield	CONNECT TO GND

TICO (X4) CAN CONNECTOR, D-SUB9 FEMALE		
CONNECTOR	PIN	SIGNAL
	1	TERMIN. LOW Connect with CAN_L_TERM in terminator (pin4)
	2	CAN_L
	3	CAN_GND
	4	CAN_L_TERM
	5	CAN_L_TERM
	6	CAN_GND
	7	CAN_H
	8	TERMIN. HIGH Connect with CAN_H_TERM in terminator (pin6)
	9	CAN_H_TERM

TICO (X5) RS-485 or RS422 CONNECTOR, D-SUB9 MALE		
CONNECTOR	PIN	SIGNAL
	1	A RS485+ For RS422 (Reception +)
	2	B RS485- For RS422 (Reception -)
	3	GND
	4	V RS485+ For RS422 (Transmission +)
	5	V RS485- For RS422 (Transmission -)
	6	TERM. A Connect to A in terminator (Pin4)
	7	TERM. B Connect to B in terminator (Pin5)
	8	GND
	9	Not connected

TFAL (X6) POWER CONNECTOR		
CONNECTOR	PIN	SIGNAL
	1	Not connected
	2	Battery voltage V+
	3	Battery voltage V+

X1 ETHERNET CONNECTOR		
CONNECTOR	PIN	SIGNAL
	1	TX+
	2	RX+
	3	TX-
	4	RX-