

## 7.2 Breakout Box for X5

Depending on the device variant several interfaces are connected to the connector X5. HMS Industrial Networks offers a breakout box to provide each of the interfaces on one dedicated connector.



Fig. 6 Breakout box

Pin Allocation Breakout Box for X5				
Connector	Variant 1.01.0094.10000	Variants 1.01.0094.10030 1.01.0094.10040	Pin allocation D-Sub 9	
			Pin	Signal
Y1	Analog-IN 1	FlexRay-1A	2	FR BM or ANA M
			7	FR BP or ANA P
			3	GND-FR
			6	GND-IO
Y2	Analog-IN 2	FlexRay-1B/2A		See Y1
Y3	Analog-IN 3	Analog-IN 1		See Y1
Y4	Analog-IN 4	Analog-IN 2		See Y1
Y5	Digital-IO	Digital-I/O	1, 2, 4, 5	DIG_IO1..4
			6, 9	VBAT
			3	GND

Pin Allocation Breakout Box for X5				
Connector	Variants 1.01.0094.10020 1.01.0094.10022	Variants 1.01.0094.10050 1.01.0094.10052 1.01.0094.10070	Pin allocation D-Sub 9	
			Pin	Signal
Y1	CAN 7	FlexRay-1A	2	FR BM or CAN L
			7	FR BP or CAN H
			3	GND-FR/CAN
			6	GND-IO
Y2	CAN 8	FlexRay-1B/2A		See Y1
Y3	Analog-IN 1	CAN 7		See Y1
Y4	Analog-IN 2	CAN 8		See Y1
Y5	Digital-IO	Digital-I/O	1, 2, 4, 5	DIG_IO1..4
			6, 9	VBAT
			3	GND