



DATA SHEET

# FX3-EBX100002

Interface modules  
Integration modules and adapters

## INTEGRATION MODULES AND ADAPTERS

# FX3-EBX100002

### ORDERING INFORMATION

Type	part no.
FX3-EBX100002	<a href="#">2079867</a>

Further device versions and accessories at [www.sick.com/Interface\\_modules](http://www.sick.com/Interface_modules)



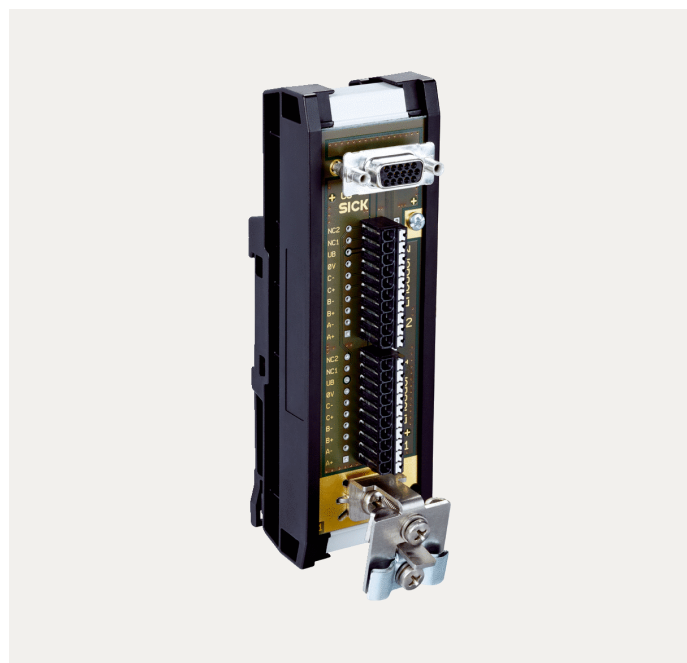
### DETAILED TECHNICAL DATA

#### FEATURES

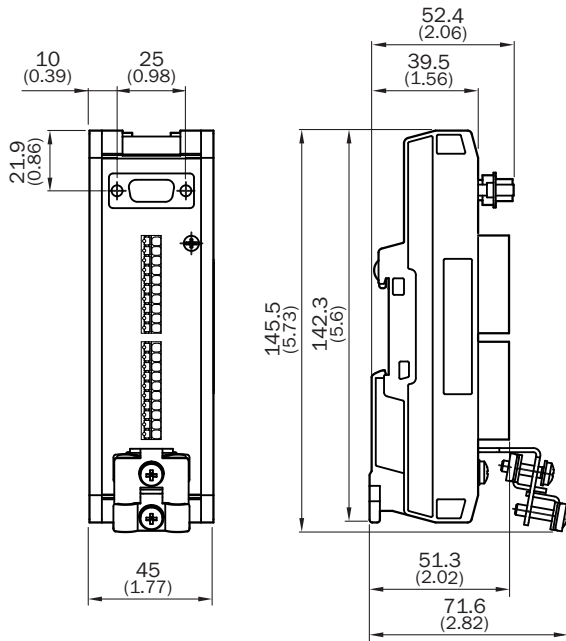
Product segment	Integration modules and adapters
Product	Interface modules
Specialty	Optimized motor feedback splitter box

#### CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
cULus certificate	✓

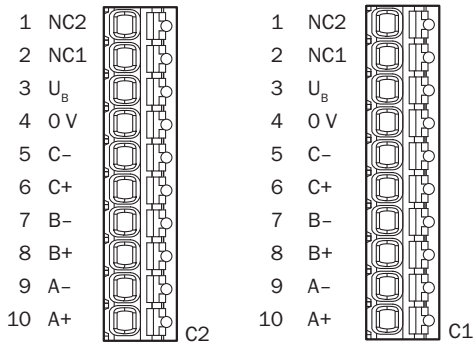


**DIMENSIONAL DRAWING**



Dimensions in mm (inch)

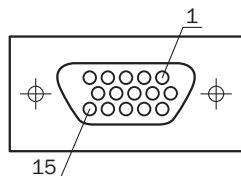
**PIN ASSIGNMENT**



Spring terminals	PIN	Signal	Description	
C1	1	NC2	Do not connect. Used to forward a signal.	
	2	NC1	Do not connect. Used to forward a signal.	
	3	ENC1_24V	24 V voltage supply for encoder 1	
	4	ENC1_0V	GND encoder connection	
	5	ENC1_C-	Encoder 1, channel C, negative signal	
	6	ENC1_C+	Encoder 1, channel C, positive signal	
	7	ENC1_B-	Encoder 1, channel B, negative signal	
	8	ENC1_B+	Encoder 1, channel B, positive signal	
	9	ENC1_A-	Encoder 1, channel A, negative signal	
	10	ENC1_A+	Encoder 1, channel A, positive signal	
-	-	-	-	
	C1	1	NC2	Do not connect. Used to forward a signal.
	C1	2	NC1	Do not connect. Used to forward a signal.
	3	ENC2_24V	24 V voltage supply for encoder 2	

Spring terminals	PIN	Signal	Description
	4	ENC2_0V	GND encoder connection
	5	ENC2_C-	Encoder 2, channel C, negative signal
	6	ENC2_C+	Encoder 2, channel C, positive signal
	7	ENC2_B-	Encoder 2, channel B, negative signal
	8	ENC2_B+	Encoder 2, channel B, positive signal
	9	ENC2_A-	Encoder 2, channel A, negative signal
	10	ENC2_A+	Encoder 2, channel A, positive signal

## PIN ASSIGNMENT



PIN	Signal	Description
1	ENC1_A+	Encoder 1, signal pair A, positive signal
2	ENC1_A-	Encoder 1, signal pair A, negative signal
3	ENC1_24V	24 V voltage supply for encoder 1
4	ENC2_A+	Encoder 2, signal pair A, positive signal
5	ENC2_A-	Encoder 2, signal pair A, negative signal
6	ENC1_B+	Encoder 1, signal pair B, positive signal
7	ENC1_B-	Encoder 1, signal pair B, negative signal
8	ENC_0V	0 V voltage supply for encoder 1 and encoder 2
9	ENC2_B+	Encoder 2, signal pair B, positive signal
10	ENC2_B-	Encoder 2, signal pair B, negative signal
11	ENC1_C+	Encoder 1, signal pair C, positive signal
12	ENC1_C-	Encoder 1, signal pair C, negative signal
13	ENC2_24V	24 V voltage supply for encoder 2
14	ENC2_C+	Encoder 2, signal pair C, positive signal
15	ENC2_C-	Encoder 2, signal pair C, negative signal

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at [www.sick.com/2079867](http://www.sick.com/2079867)



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# SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

**SICK**  
Sensor Intelligence