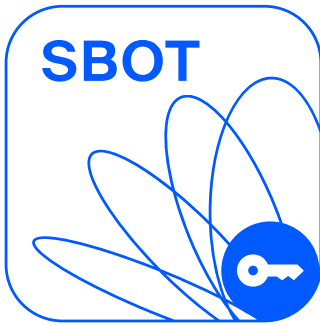


**SAPPB2D-08XS006**  
Safe Robotics Area Protection

**SAFETY SYSTEMS FOR ROBOTS**

**SICK**  
Sensor Intelligence.



### Ordering information

Type	part no.
SAPPB2D-08XS006	1614202

Other models and accessories → [www.sick.com/Safe\\_Robotics\\_Area\\_Protection](http://www.sick.com/Safe_Robotics_Area_Protection)

### Detailed technical data

#### Features

<b>Variant</b>	sBot Speed – YA
<b>Product type</b>	Software
<b>Robot controller</b>	Yaskawa: DX200, YRC1000, YRC1000micro
<b>Compatible systems</b>	1117273 1117274
<b>Stopping process of the robot</b>	With speed reduction
<b>Robot restart</b>	Automatic
<b>Safe state in the event of a fault</b>	The safety-related semiconductor outputs are in the OFF state.
<b>Safety task</b>	Hazardous area protection
<b>Safety controller included</b>	Flexi Soft
Safety controller type	Programmable
<b>Performance level</b>	PL d (ISO 13849-1)
<b>Items supplied</b>	Software (Safety Designer project file with functional logic, pre-configuration file for microScan3 Core I/O, Yaskawa-specific settings, operating instructions, connection diagram and SISTEMA file)

#### Functions

<b>Emergency stop</b>	
Shut down in the event of an emergency situation	✓
Prevent unexpected restarting after an emergency stop	✓
<b>Initiate a safety stop</b>	
Automated reset	✓
<b>Safety-rated monitored speed</b>	
Trigger safety-rated monitored speed	✓
Switch field sets	✓
<b>Operating mode</b>	
Operating mode selection (implemented in robot control)	✓
Enabling device - manual operating mode (implemented in robot control)	✓

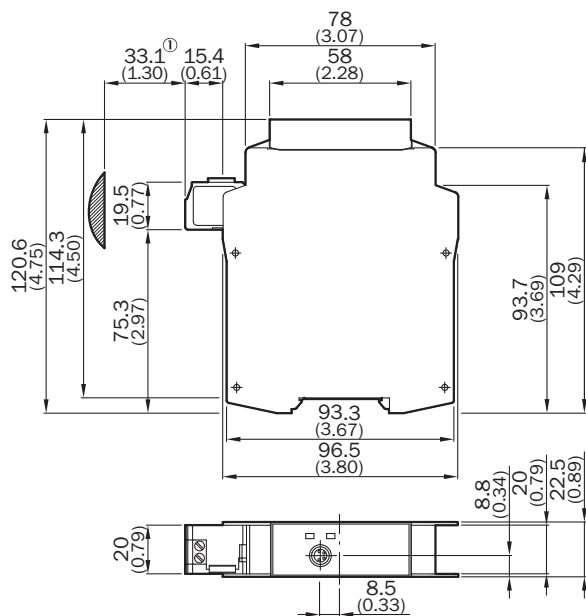
Classifications

<b>ECLASS 5.0</b>	27279090
<b>ECLASS 5.1.4</b>	27279090
<b>ECLASS 6.0</b>	27279090
<b>ECLASS 6.2</b>	27279090
<b>ECLASS 7.0</b>	27279090
<b>ECLASS 8.0</b>	27279090
<b>ECLASS 8.1</b>	27279090
<b>ECLASS 9.0</b>	27279090
<b>ECLASS 10.0</b>	27279090
<b>ECLASS 11.0</b>	27279090
<b>ECLASS 12.0</b>	27279090
<b>ETIM 5.0</b>	EC001449
<b>ETIM 6.0</b>	EC001449
<b>ETIM 7.0</b>	EC001449
<b>ETIM 8.0</b>	EC001449
<b>UNSPSC 16.0901</b>	32151705

Certificates

<b>China RoHS</b>	✓
<b>Information according to Art. 3 of Data Act (Regulation EU 2023/2854)</b>	✓

Dimensional drawing FX3-CPU0



Dimensions in mm (inch)

① Approximate connector range



## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)