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ASO SENTIR BUMPER FOR ROBOTS

1704-0010
Robot Bumper, 24 V, 10 mA, M8 Male Connectors

- IP54
- 24 V 10 mA
- 0 to +55 °C

PRODUCT DESCRIPTION

The SENTIR bumper, available from ASO Safety Solutions, is a tactile safety device designed to protect personnel from impacts and entrapment hazards in industrial environments. This bumper features a foam core encased in a durable artificial leather coating, providing both cushioning and resistance to wear. Measuring 200 mm in width and 400 mm in height, it is suitable for various applications requiring a robust safety solution. The bumper operates within an ambient temperature range of ±0 to +55 °C and offers a protection class of IP54, ensuring reliable performance in diverse conditions. It is also certified according to DIN EN ISO 13856-3, DIN EN 12978, and DIN EN ISO 13849-1, meeting stringent safety standards.
The SENTIR bumper is commonly used in environments where machinery or automated systems pose potential risks to operators. Its tactile nature allows for immediate detection of contact, prompting quick responses to prevent accidents. The bumper can be customised in terms of size, shape, and mounting profile to fit specific robotic or industrial machinery requirements. For instance, the SENTIR bumper Robotics set includes the bumper, corresponding mount, extension cable, and a safety relay with mount and screws, facilitating easy integration into robotic systems. This adaptability makes the SENTIR bumper an essential component in enhancing workplace safety by mitigating the risks associated with moving machinery and automated processes.

TECHNICAL DATA

Actuation Distance	15 %
Actuation force	<100N
Actuation Resistance	≤500 Ohm
Cable Connectors	M8 Male
Connection cables	LIY11Y 2x0,34 mm2
Electrical Capacity	24 V 10 mA
IP class	IP54
Material cable	PUR
Material of sensor housing	Artificial Leather
Monitored Switch	quiescent principle
Operating temperature	0 °C- 55 °C
Switching Angle	+/-45°
Switching Cycles	>10.000