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IDEC EMEA IS BROADENING ITS RANGE OF EDGE SWITCHES, CONTINUING TO PROVIDE LOW-PROFILE, PRESSURE-SENSITIVE SENSORS THAT SAFEGUARD OPERATORS AND REDUCE THE RISK OF CONTACT OR COLLISION DAMAGE.

HK Series

HK1-HK2-HK2H-HK2L

The IDEC edge switch range is the perfect solution for keeping operators safe, when close to machinery and moving parts such as automatic doors on machine tools or automatic guided vehicles.

SWITCHES

SAFETY

PANEL

AUTOMATION



TECHNICAL FEATURES

- Detection angle: $\pm 20^\circ$
- Actuation force: 150N max
- Operating load: 15N max
- Switch Length: up to 10,000mm
- Operating temperature: 0 to $+50^\circ\text{C}$
- Humidity range: 90% RH or lower
- IP ratings : High profile cap type: IP46 / Low profile cap type: IP66

APPLICATIONS

- Machines tools
- Automatic doors & gates
- AGVs
- Mobile robots
- Medical equipment and nurse care products
- Production facilities



HK Series

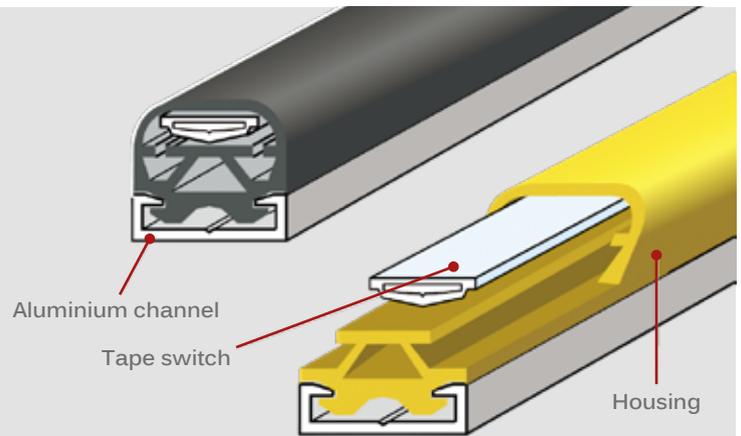
COMPACT, LOW PROFILE & OIL RESISTANT EDGE SENSOR TO PREVENT OPERATORS FROM INJURIES OR EQUIPMENT FROM DAMAGE

HK1 SERIES – TAPE SWITCHES

- Tape switches are used in various applications, for detection and prevention. They are activated when the bead is pressed at any point along their length.
- Two types of tape switches are available: a standard type (14.3 mm) and a wide type (19 mm).

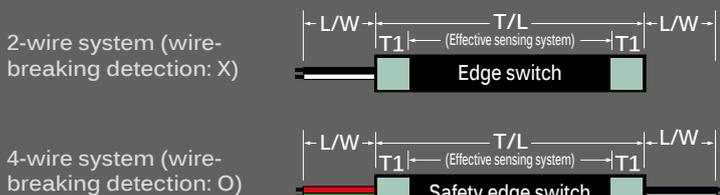
HK2 SERIES – EDGE SWITCHES

- Edge switches = tape switch + housing. The cushioning prevents damage to objects and the switch body.
- The housing of the edge-switch provides an appropriate «cushion» which is required in many applications.
- Edge switches are available in various sizes and features.



NEED SAFETY SWITCHES?

All edge switches can be upgraded to safety edge switches by using a doubled termination (4-wire system) which enables wire-breaking detection unavailable in 2-wire systems.



ENDLESS CUSTOMIZATION

- Bend radius: R80mm to fit on small AGVs
- Length of the safety edge: from 300mm to 2400mm
- Connection:
 - > Angle joint to connect the end part switches available
 - > Series connection possible (up to 48m)
- Mounting channel: standard flat type or stud type
- Selectable from various wiring patterns and mounting styles

RELATED PRODUCTS

Safety edge switches are EC-type approved in combination with safety relay modules such as the IDEC HR6S-AK1C.

Applicable models: HK2F-B, HK2G-B, HK2H-B, HK2L-B

- Certified by TÜV NORD
- Applicable standards: EN ISO13856-2:2013, EN 12978:2003+A1:2009
- Functional Safety: Category 3, PLd (ISO13849-1)



Safety Edge Switches



Safety Relay Modules



EN ISO13856-2:2013,
EN 12978:2003+A1:2009

[Visit the product page](#)

[Consult the datasheet](#)

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