

### Pressure sensitive edge switches with cushioning features



- Edge switches consist of a tape switch with housing. The cushioning prevents damage to objects and the switch body.
- Edge switches are available in various sizes and features, including a lineup of CE compliant safety edge switches.
- Installation is easy using an aluminum channel.



• See website for details on approvals and standards.

Type	Edge switch						Safety Edge Switch			
Part number	HK2A-B	HK2B-Y	HK2C-B	HK2D-B	HK2D-R	HK2E-B <sup>1</sup>	HK2F-B <sup>1</sup>	HK2G-B <sup>1</sup>	HK2H-B	HK2L-B
Color/Type	Black	Yellow	Black	Black	Red	Black	Black	Black	Black/ High Cap	Black/Low Cap
Shape										
Cross Section (Dimensions in mm.)										
Operating Load <sup>2</sup>	10N	10N	12N	15N		20N	150N maximum <sup>3</sup>		150N maximum <sup>3</sup>	
Switch Length	100 to 7000mm	100 to 7000mm	100 to 3000mm	100 to 10,000mm		150 to 7000mm	200 to 2000mm		300 to 2400mm	
Weight (approx.)	600g/m	600g/m	690g/m	500g/m		600g/m	2000g/m	2100g/m	600g/m	
Housing/End Cap Material	EPDM/CR	PVC/CR	EPDM/CR	PVC/CR		EPDM/CR	EPDM/EPDM		NBR/NBR	

\*1) Detectable up to the edges \*2) Typical value at room temperature \*3) Measured with ø80 measuring element

#### Part Number Configuration

**HK2A - B 2000 NA - 2N - 100 - \*\*\*\*\***

① Part No. \_\_\_\_\_  
Specify from the table above.

② Color \_\_\_\_\_  
B: black R:red Y: yellow  
Note: The selectable colors differ for each type number. See the table above.

③ Length (mm) \_\_\_\_\_  
00100 (100mm) to 3000 (3000mm)  
Note: Specify lengths in 5mm increments. Maximum length varies by type number; refer to "Maximum Length" in the table above. If you need a product longer than 3000 mm, contact IDEC.

④ Option \_\_\_\_\_  
NA: None VF: VFF cable (HK2H only)

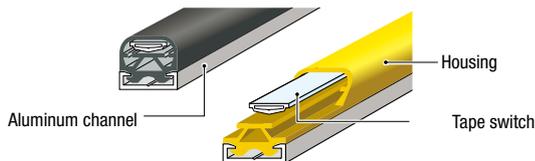
⑤ Control number \_\_\_\_\_

⑥ Lead wire length \_\_\_\_\_  
Edge switch  
001 (100mm) to 100 (10,000mm)  
Safety edge switch  
002 (200mm) to 100 (10,000mm)  
Note: Specify lengths in 100mm increments. The standard length is 500 mm.

⑦ Wiring \_\_\_\_\_  
2N: 2-wire  
2C: 2-wire (from bottom)  
RC: 2-wire (from bottom) with termination resistor  
2R: 2-wire terminating resistor  
4N: 4-wire  
4S: 4-wire (from one-side)  
4C: 4-wire (from bottom)  
Note: 4N can only be selected for safety edge switches

• If waterproof features are required, contact IDEC.

#### Product Structure



#### Safety Edge Switches

Safety edge switches are EC type approved in combination with safety relay modules (Type HR6S-AK).

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)



HR6S-AK

# IDEC CORPORATION

Head Office 6-64, Nishi-Miyahara-2-Chome, Yodogawa-ku, Osaka 532-0004, Japan

USA IDEC Corporation  
EMEA APEM SAS

Singapore IDEC Izumi Asia Pte. Ltd.  
Thailand IDEC Asia (Thailand) Co., Ltd.  
India IDEC Controls India Private Ltd.

China IDEC (Shanghai) Corporation  
IDEK Izumi (H.K.) Co., Ltd.  
Taiwan IDEC Taiwan Corporation

Japan IDEC Corporation

[www.idec.com](http://www.idec.com)