

New Products

No.126

Direct from IDEC Corporation

September 20, 2004



- IDEC's innovative "safe break action" ensures all NC contacts open if the contact block is separated from the operator
- Push-to-lock, Pull and Turn-to-reset function built into same unit
- The depth behind the panel is only 48.7mm for 4 contacts (XW Series)
- Direct opening action mechanism (IEC60947-5-5, 5.2, IEC60947-5-1, Annex K)
- Safety lock mechanism (IEC60947-5-5, 6.2)
- Degree of protection IP65 (IEC60529)
- Solder or PCB terminal options (XA Series)
- Screw terminal is finger-safe (IP20) with optional cover (XW Series)
- Two button sizes: 40mm and 60mm (XW Series)
- UL, c-UL approved, EN compliant
- Part numbers & list prices on back page
- For more information, contact Technical Support at 800-262-IDEC (press 2) or email support@idec.com

World's Safest Switches - the XA and XW Series E-Stops!

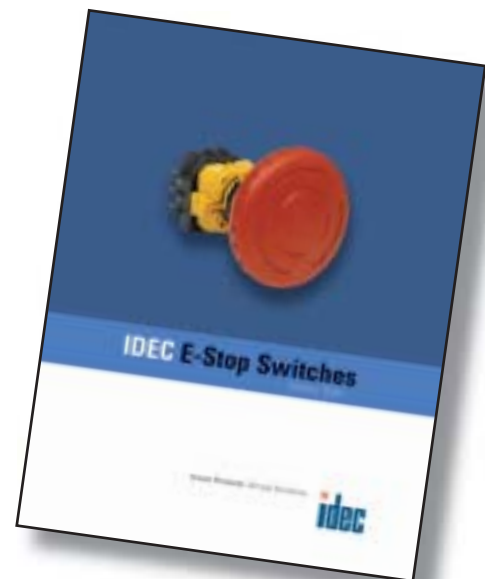
IDEC is very excited to announce two new Emergency Stop switches, the XA and XW. These two series of E-Stops exceed international safety standards, employ innovative technology and have several unique features that make them the world's safest switch!

The emergency stop button is a critical component on any machine because its failure can have severe implications. A malfunction can cause equipment damage, personal injury, down time, etc., and may even lead to catastrophic failures like fires and life-threatening accidents. Malfunctions caused by dislocation of the contact blocks can occur due to improper installation of the switch, accidental removal of the contact block, improper wiring, and even from vibration during transportation of the finished product.

Safety Standards

To reduce the risk of potential disaster, IDEC has designed the XA and XW series E-Stop switches. They reduce the impact of these failures, and not only comply with recent international safety standards (ISO13850 and EN60947-5-5), but actually exceed the safety standards by automatically turning off when a part fails or the contact block and the actuator are improperly installed.

con't on page 2



Now Available - E-Stop Sales Brochure
Item # XW9Y-B100-0

Note: Accessory part numbers in brochure (page 10) have been corrected on the back page of this product announcement.



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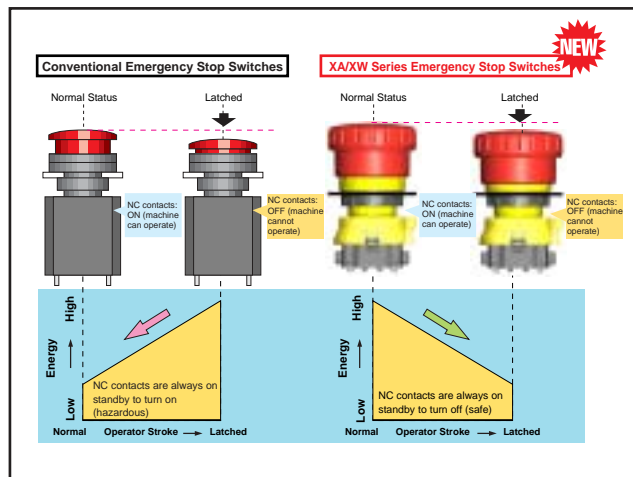
Smart Products. Simple Solutions.

con't from front page

Revolutionary Technology

The two new IDEC Emergency Stop switches, the XA and XW series, include revolutionary new technology that will change the way E-Stop switches are designed. This “safe break action” concept provides greater levels of human safety and is the first of its kind in the world!

Conventional E-Stop switches are designed with spring pressure on the Normally Closed (NC) contacts, keeping them in the closed position and allowing the machine to operate. Improper installation or excessive force to the stop button in an emergency may break or dislodge a vital part, causing the spring loaded contact to stay closed. This situation renders the E-Stop incapable of stopping the machine, and can lead to catastrophic events, personal injury and possible loss of life.



Dangerous

If the E-stop is installed incorrectly or shifts in shipment, the contacts and switch can separate, which cause the NC contacts to remain closed during an emergency and the machine to continue running!



OR

Safe

With IDEC's revolutionary “safe break action,” the NC contacts will automatically open when the contacts are removed from the operator. This feature places the machine in a non-operational state.



This one-of-a-kind “safe break action” design, found only in the IDEC XA and XW series, reverses the energy direction and uses the spring-pressure to assure that the NC contacts will open if the emergency switch is damaged or the contact blocks separate due to excessive force. The NC contacts will reliably open, even if they are welded, and stop the machine. Both the XA and XW switches include up to four contacts in a very compact package. In today's automated world, more customers are requiring E-Stop switches with at least three contacts. (Two of the contacts trip the power and the third contact is used to alert a safety-monitoring relay.) Both the XA and XW series switches offer up to four “safe-break” contacts with a depth behind the panel that is half the size of conventional E-Stop switches. This means that there is an additional contact available and the switches can be used in Level 4 safety category applications.

IDEC's new E-Stop switches are secured from the rear of the control panel so that the E-Stop cannot be removed from the front. Another unique feature of the XA and XW E-Stop switches is that either a push-turn or push-pull reset method can be used to reset the switches. This eliminates any possible confusion for operators when resetting the switch. The durability and quality of these new E-Stop switches make them extremely reliable. They can withstand the highest stress caused by panic or a reaction to an emergency situation.

For more information call IDEC at:
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 1175 Elko Drive • Sunnyvale, CA 94089
 Fax: 408-745-5258 • www.idec.com

Market & Competition

E-Stop Market

The USA 22mm E-Stop market is estimated at around \$9 Million for the year 2003, approximately 16% of the overall 22mm pushbutton market. Trends observed over the last several months speculate 5 - 7% growth in the 22mm pushbutton products as OEM's drive new demand with the revamp of old projects and development of new ventures.

Selling Strategies

Human safety has no dollar value and many OEM's, in particular Machine Tool manufacturers, are willing to use products that demonstrate innovation and increased levels of safety in order to help decrease liability as a result of human tragedies when operating dangerous machinery.

Competitively priced with traditional E-stops, XA and XW E-Stops are a quick and easy solution to OEMs that need to improve their machine safety. Distributors that carry IDEC inventory will benefit from sales growth in both the E-Stops and other standard pushbuttons by selling IDEC innovation and quality products. IDEC E-Stop sales brochure, XW9Y-B100-0, demonstrates all the newest technologies and the variety IDEC has to offer.

Competition

IDEC's innovative XA 16mm and XW 22mm Series of E-Stops have no equivalent competitors in the world! Any traditional 16mm or 22mm E-Stop can be replaced with an XA or XW E-Stop to provide additional safety and sense of security. For a partial list of part numbers from traditional E-Stop competitors, see the table below.

Cross Reference Information

AB	Cutler-Hammer	EAO	Square D 9001	GE
800EB-MP2	E22ED	704.075	XB4BS	080QRER
800EB-MT	E22EG	61.344	XB4BT	080QTER
800EM-MP2	E22LL	44-710	XB5AS	080RER
800EM-MT	E22LP	44-712	XB5AT	080TER
800EP-MP2	E22LT		XB6AS	080XRER
800EP-MT				080XTER
800ES-MP2				P9MER4
800ES-MT				P9MET4
800FB-MP2				P9SER4
800FB-MT				P9SET4
800FM-MP2				P9XER4
800FM-MT				P9XET4
800FP-MP2				
800FP-MT				
800FS-MP2				
800FS-MT				
800MR-FX				



Part Numbers and List Prices



XA 16mm 40mm Mushroom Button with PCB Terminals

NO Contacts	NC Contacts	Part Numbers	List Prices
1	1	XA1E-BV411V-R	\$30.00
-	2	XA1E-BV402V-R	\$30.00
1	3	XA1E-BV413V-R	\$40.00
-	4	XA1E-BV404V-R	\$40.00

XA 16mm 40mm Mushroom Button with Solder Terminals

NO Contacts	NC Contacts	Part Numbers	List Prices
1	1	XA1E-BV411-R	\$30.00
-	2	XA1E-BV402-R	\$30.00
1	3	XA1E-BV413-R	\$40.00
-	4	XA1E-BV404-R	\$40.00



XW 22mm LED Illuminated* 40mm Mushroom Button with Screw Terminals

NO Contacts	NC Contacts	Part Numbers	List Prices
1	1	XW1E-LV411Q4M-R	\$65.00
-	2	XW1E-LV402Q4M-R	\$65.00
1	3	XW1E-LV413Q4M-R	\$75.00
-	4	XW1E-LV404Q4M-R	\$75.00

XW 22mm 40mm Mushroom Button with Screw Terminals

NO Contacts	NC Contacts	Part Numbers	List Prices
1	1	XW1E-BV411M-R	\$50.00
-	2	XW1E-BV402M-R	\$50.00
1	3	XW1E-BV413M-R	\$60.00
-	4	XW1E-BV404M-R	\$60.00

* Illumination is with built-in 24V AC/DC LED



XW 22mm 60mm Jumbo Mushroom Button with Screw Terminals

NO Contacts	NC Contacts	Part Numbers	List Prices
1a	1b	XW1E-BV511M-R	\$62.00
-	2b	XW1E-BV502M-R	\$62.00
1a	3b	XW1E-BV513M-R	\$72.00
-	4b	XW1E-BV504M-R	\$72.00



A



B

Accessories: Shrouds

Part Numbers	List Prices
A HW9Z-KG1-TK2120	\$21.00
B HW9Z-KG2-TK2120	\$21.00

Accessories: Terminal Covers

Part Numbers		List Prices
XW9Z-VL2MF	XW IP20 Finger-safe terminal cover	\$4.00
XW9Z-VL2M	XW Terminal cover compatible with ring terminal	\$4.00
XW9Z-VL2	XA Terminal Cover	\$4.00



Accessories: Nameplates

Size & Style	Part Number	Inner Ø	Outer Ø	List Prices
16mm Blank Ø60mm	HAAV4-0	16mm	60mm	\$6.00
16mm "Emergency Stop" Ø60mm	HAAV4-27	16mm	60mm	\$6.00
22mm Blank Ø60mm	HWAV-0	22mm	60mm	\$6.00
22mm "Emergency Stop" Ø60mm	HWAV-27	22mm	60mm	\$6.00
22mm "Emergency Stop" Ø80mm For Jumbo Mushroom	HWAV5-27	22mm	80mm	\$6.00

For more information call IDEC at:
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