SEMI S2 Compliant Switch Guards

Switch Guards

Package Quantity: 1

Series	Description & Shape	SEMI S2	ISO 13850	Part No.	Applicable Switches (*1)	Remarks
ø16mm XA Series	ø16 mm EMO Switch Guard	○	○	XA9Z-KG1	XA1E-BV3 XA1E-BV4 XA1E-LV3 XA1E-LV4	• SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.) • ISO 13850 compliant.
ø22mm HW/XW Series	ø22 mm EMO Switch Guard	○	—	HW9Z-KG1	XW1E-BV4 XW1E-LV4 XW1E-TV4 HW1B-V3 HW1B-V4 HW1B-X4 HW1B-Y2 HW1E-BV4 HW1E-LV4	• SEMI S2-0703, 12.5.1 compliant. • Widely used switch guard in many applications.
	ø22 mm EMO Switch Guard	○	—	HW9Z-KG2	XW1E-BV4 XW1E-LV4 XW1E-TV4 HW1B-V3 HW1B-V4 HW1B-X4 HW1B-Y2 HW1E-BV4 HW1E-LV4	• SEMI S2-0703, 12.5.1 compliant. • SEMATECH Application Guide for SEMI S2-93, 12.4. compliant. • The round shape is effective to prevent inadvertent operation from any direction.
	ø22 mm EMO Switch Guard	○	○	HW9Z-KG3	XW1E-BV4 XW1E-LV4 XW1E-TV4 HW1B-V3 HW1B-V4 HW1B-X4 HW1B-Y2	• SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.) • ISO 13850 compliant. • The smallest switch guard for ø22 series switches. • Can be installed on FB control boxes.
	ø22 mm EMO Switch Guard	○	○	HW9Z-KG4	XW1E-BV4 XW1E-BV5 XW1E-LV4 XW1E-TV4 HW1B-V3 HW1B-V4 HW1B-X4 HW1B-Y2 HW1E-BV4 HW1E-LV4	• SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.) • ISO 13850 compliant. • SEMATECH Application Guide for SEMI S2-93, 12.4. compliant. • Narrower than HW9ZKG5. Saves more space. • Can be installed on FB control boxes. • Available in white.
	ø22 mm EMO Switch Guard	○	○	HW9Z-KG5	XW1E-BV4 XW1E-LV4 XW1E-TV4 XW1E-BV5 HW1B-V3 HW1B-V4 HW1B-X4 HW1B-Y2 HW1E-BV4 HW1E-LV4	• SEMI S2 compliant (The combination of IDEC's emergency stop switches and EMO switch guards are approved by TÜV Rheinland for compliance with SEMI S2 standard.) • ISO 13850 compliant. • SEMATECH Application Guide for SEMI S2-93, 12.4. compliant. • A nameplate can be installed. • Available in white.

• Material: polyamide (PA6), degree of protection: IP65 (IEC 60529)
*1) For details on applicable emergency stop switches, see D-052.

APEM

Switches & Pilot Lights

Control Boxes

Emergency Stop Switches

Enabling Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit Protectors

Power Supplies

LED Illumination

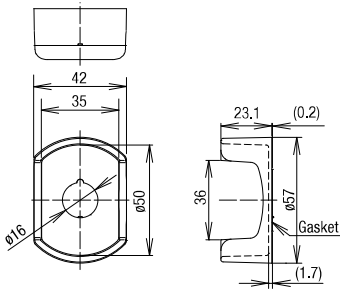Controllers

Operator Interfaces

Sensors

AUTO-ID

X6

XA

XW

XN

SEMI

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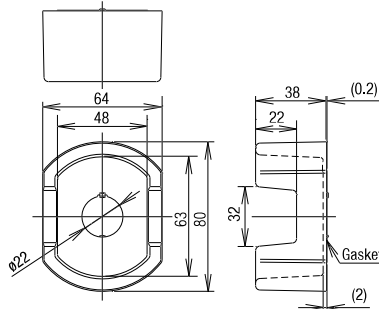SEMI

SEMI EMO Switch Guards

SEMI S2 Compliant Switch Guards

Dimensions

All dimensions in mm.
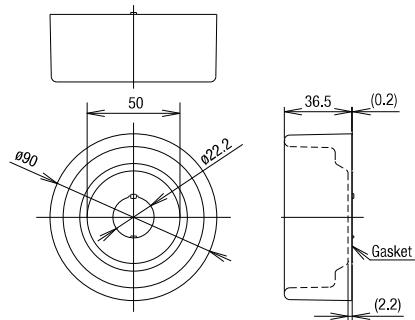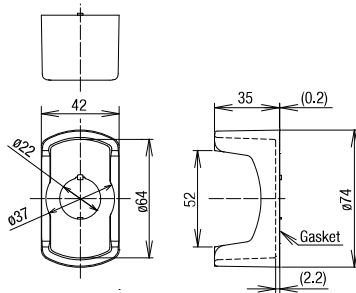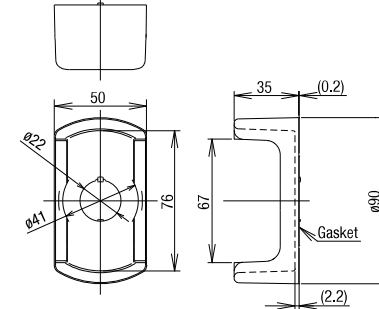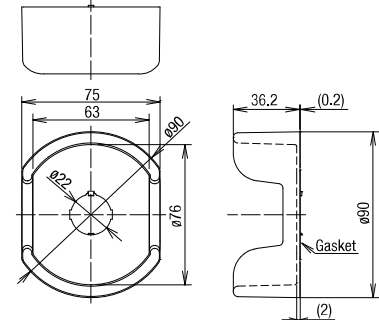
XA9Z-KG1

HW9Z-KG1

HW9Z-KG2
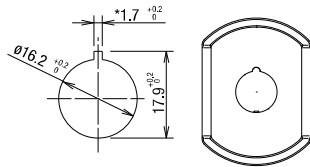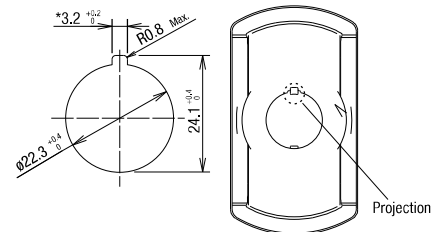

HW9Z-KG3

HW9Z-KG4

HW9Z-KG5

• Panel thickness: 1.2 to 4.0 mm
  (1.2 to 2.6 mm when using an HWAV nameplate)

Panel Cut-out

ø16mm

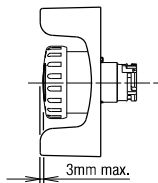The * $1.7^{+0.2}_{0}$ recess is for preventing rotation and not necessary when anti-rotation is not used.

ø22mm

The * $3.2^{+0.2}_{0}$ recess is for preventing rotation and not necessary when anti-rotation is not used.
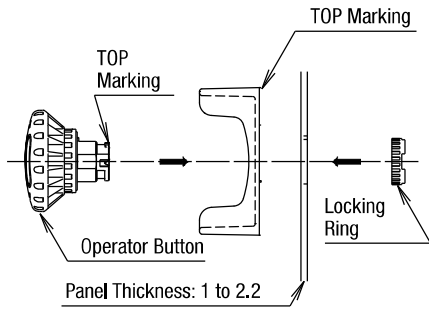
• When anti-rotation is not required or when the panel cut-out does not have anti-rotation recess, remove the projection using pliers.

Note: The height of the applicable switch and guard will be 3 mm or less as shown in the diagram on the right.
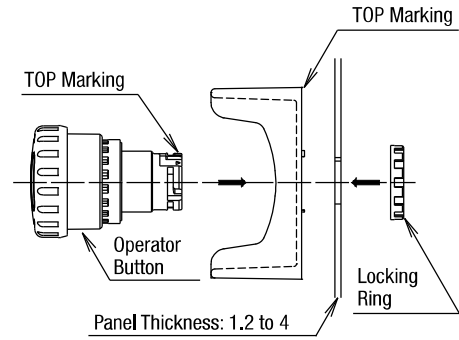
Installation

ø16 mm

TOP Marking
TOP Marking
Operator Button
Locking Ring
Panel Thickness: 1 to 2.2

To tighten the locking ring, use locking ring wrench MT-100 and tighten to a torque of 0.88 N·m.

ø22 mm

TOP Marking
TOP Marking
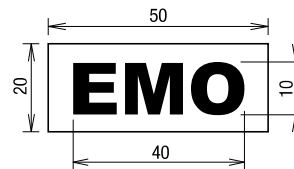Operator Button
Locking Ring
Panel Thickness: 1.2 to 4

To tighten the locking ring, use locking ring wrench MW9Z-T1 and tighten to a torque of 2.0 N·m.

EMO Sticker

Part No.: HW9Z-EMO-NPP
Color: Yellow (red legend)Package
Quantity: 10

50 / 40 / 20 / 10 — EMO

Nameplate (for ø22 mm Emergency Stop Switches)

Name	Legend	Part No.	Remarks
For ø40mm Mushroom	EMERGENCY OFF	HWAV-74-Y	• Nameplate color: yellow • Legend color: black

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