APEM

Control Boxes

Emergency
Stop Switches
Enabling
Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit
Protectors

Power Supplies

LED Illumination

Controllers

Operator
Interfaces

AUTO-ID

Flush Silhouette

ø16

ø30 Miniature Pilot Lights

YW

Accessories All dimensions in mm.

When ordering, specify the Ordering No.

Shape		Material	Part No.	Ordering No.	Package Quantity	Dimensions (mm)
	Locking Ring Wrench	Metal (brass) (weight: approx. 150g)	MW9Z-T1	MW9Z-T1	1	Used to tighten the locking ring when installing the HW switch onto a panel. 110 108
Tool	Lamp Holder Tool (A) (B)	Nitrile rubber (black)	OR-55	OR-55	1	Used to install and remove the LED lamps. See B-223 to B-224 for how to install. BA9S OR-55 See B-223 to B-224 for how to install. OR-55 See B-223 to B-224 for how to install.
	Contact Block Removal Tool	Zinc-plated metal Nitril rubber	TW-KC1	TW-KC1	1	Used to remove the contact block and transformer, and also to install/remove the pilot light and illuminated pushbutton lens. See B-224. 130
Anti-rotation Ring		Ring: polyamide Gasket: nitril rubber	HW9Z-RL	HW9Z-RLPN10	10	Used to prevent the operator from turning. Generally used when using no nameplates on selector switches and pushbutton selectors. TOP 1.5 TOP
Rubber Mounting Hole Plug		Nitril rubber (black)	0B-31	0B-31PN05	5	Used to plug the unused ø22.2 mm mounting holes. Degree of protection: IP65 (round hole) IP40 (with anti-rotation function) ### Page 1
Rubber Mounting Hole Plug		Plug: chrome-plated zinc diecast Locking ring: polyamide Gasket: nitril rubber	LW9Z-BM	LW9Z-BM	1	Used to plug the unused ø22.2 mm mounting holes. Degree of protection: IP66 (round hole) IP40 (with anti-rotation function) Tightening torque: 1.2 N·m Gasket Locking Ring M22 P·1 Panel Thickness 0.8 to 6
Metallic Mounting Hole Plug		Polyamide	LW9Z-BP1	LW9Z-BP1	1	Used to plug the unused ø22.2 mm mounting holes. Degree of protection: IP65 Tightening torque: 2.0 N·m
Barrier		Polyamide	HW-VU1	HW-VU1PN10	10	Used to prevent contact between adjacent lead wires when units are mounted closely (see B-227 for details). Barriers should always be used in close mounting.