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RF1V_Series Force Guide Relays

Force guided contact mechanism

EN50205 Type A TÜV approved.

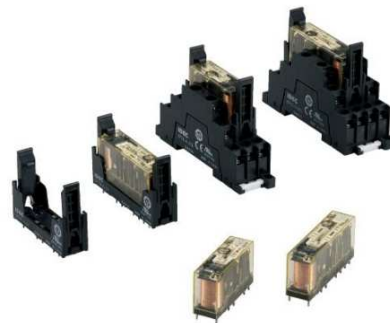
Fast Response Time

Response time of 8ms.

Ensures safety by turning the load off quickly.

High Shock Resistance

High shockresistant suitable for use in machine tools and in environments subjected to vibration and shocks.(200m/s² minimum)



Clear Visibility

Available with a built-in LED.



(force guided relays)



(sockets)

Contact		Coil Voltage	LED	Part No.	Unit Price	DIN rail mount socket part no.	Unit Price
4-Pole	2NO-2NC	24V DC	With LED Indicator	RF1V-2A2BL-D24	1,263.-	SF1V-4-07L	683.-
	3NO-1NC			RF1V-3A1BL-D24			
6-Pole	4NO-2NC			RF1V-4A2BL-D24	1,484.-	SF1V-6-07L	765.-
	5NO-1NC			RF1V-5A1BL-D24			

• See website for more operation voltage and other model

HR6S-AF Safety Relay Module

Standard module for building safety systems

- Protects both the operator and the machine by immediately stopping dangerous movements when instructed to stop by the operator or when a failure in the safety circuit is detected.
- The most basic module for building a safety system



• See website for details on approvals and standards.



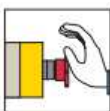
Screw terminal



Push-in terminal



Overview of Application Functions



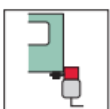
Monitoring of Emergency Stop circuits as per ISO 13850 and IEC 60204-1, stop category 0



Monitoring of guards as per ISO 14119/14120 with coded magnetic switches



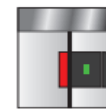
Monitoring of electro-sensitive protective equipment such as type 4 light curtains as per IEC



Monitoring of guards as per ISO 14119/14120 with interlock switches



Monitoring of proximity switches



Monitoring of RFID sensors

Terminal Style	Supply Voltage	Performance Level (PL), Category	Safety-Related Output	Part No.	Unit Price
Push-in terminal	24V AC/DC	PL e, Category 4	Normally Open : 3	HR6S-AF1C	18,163.-
Screw terminal				HR6S-AF1P	

NEW RN Series User-friendly universal relays



- An LED indicator enables high visibility of coil status.
- Large LED indicator window for easy recognition of the coil



DC Coil
Yellow green



AC Coil
Red

Contact ratings

	RN2	RN4
Max. contact current	5A	3A

Compliant with international safety standards



Applicable relay sockets

Various relays sockets available for different mounting styles.



Push-in terminal
DIN rail mount



Screw terminal
DIN rail mount



Through-panel
mount



PCB
mount

RN Series Universal Relays

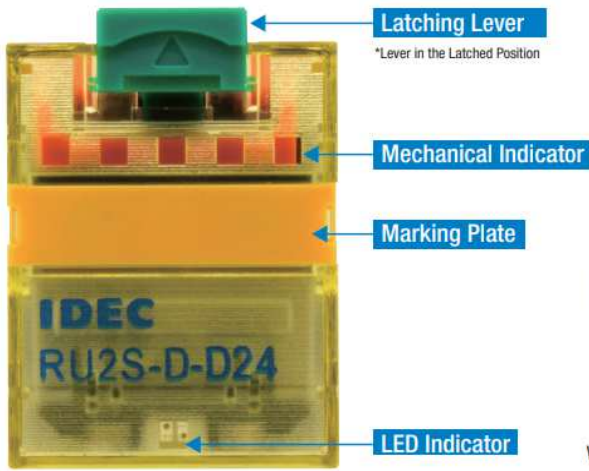
Shape	Style	Contact Ratings	Coil Voltage Code	Part No.	Unit Price
	Plug-in Terminal w/LED Indicator Green : DC Coil Red : AC Coil	DPDT, 5A	A24 : 24V AC	RN2S-NL-*	221.-
			A115 : 115V AC A220 : 220V AC A240 : 240V AC	RN2S-NL- (D110,A115,A240)	233.-
		4PDT, 3A	D12 : 12V DC	RN4S-NL-* (A115, A24, A240, D12 ,D48)	267.-
	D24 : 24V DC				
	D48 : 48V DC D110 : 110V DC		RN4S-NL-* (A220, D110, D24)	254.-	

SN Series Sockets

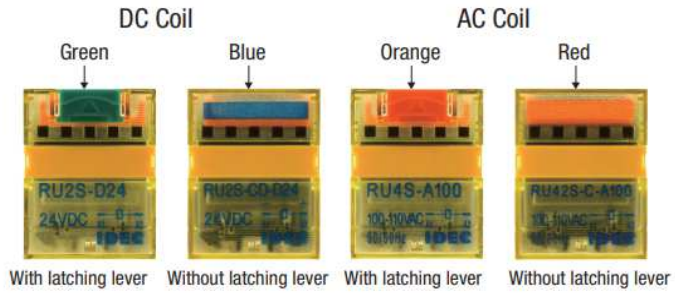
Shape	<p>Finger-safe cRUUSCE</p>	<p>Finger-safe cRUUSCE</p>
No. of Poles	2-pole	4-pole
Part No.	SM2S-05DF	SY4S-05DF
Unit Price	140.-	163.-

RU_Series High performance Relays & DF_Series Sockets

Safety



- The contact status can be confirmed through the five small windows.
- Using the latching lever, operation can be checked without energizing the coil.
- LED indicator available as standard.



10A DPDT Contact



Shape	Latching Lever	LED	Diode	Part No.	Coil Voltage Code	Unit Price
	✓	✓	-	RU2S-*	A24, A110, A220 D12, D24, D48, D110	267.-
		✓	✓	RU2S-D-*	D24	325.-
	-	✓	-	RU2S-C-*	A24, A100, A110, A220 D12, D24, D48, D100, D110	267.-
		✓	✓	RU2S-CD-*	D12, D24, D110	325.-
		-	-	RU2S-NF-*	A24, A100, A110, A220 D12, D24, D48, D100, D110	232.-

6A 4PDT Contact

Shape	Latching Lever	LED	Diode	Part No.	Coil Voltage Code	Unit Price
	✓	✓	-	RU4S-*	A24, A100, A110, A220 D12, D24, D48, D100, D110	314.-
		✓	✓	RU4S-D-*	D12, D24, D48, D100, D110	372.-
	-	✓	-	RU4S-C-*	A24, A100, A110, A220 D12, D24, D48, D100, D110	314.-
		✓	✓	RU4S-CD-*	D12, D24, D48, D100, D110	372.-
		-	-	RU4S-NF-*	A24, A100, A110, A220 D12, D24, D48, D100, D110	278.-

DF Series Sockets

Shape				
No. of Poles	2-pole		4-pole	
Part No.	SM2S-05DF		SY4S-05DF	
Unit Price	140.-		163.-	
Hold-down Spring	SFA-503	14.-	SFA-502	14.-

RH_RR Series Power Relays



SPDT through 4PDT, 10A contacts

Shape	Coil Voltage	Lamp	Part No.	Unit Price	Applicable Socket	Unit Price		
					Shape & Part No.			
	AC110	-	RH1B-U*	418.-	SH1B-05B	129.-		
	AC220			488.-				
	DC24			360.-				
	AC110	√	RH1B-UL*	511.-				
	AC220			627.-				
	DC24			453.-				
	AC110-120	-	RH2B-U*	325.-	SH2B-05B	175.-		
	AC220-240			348.-				
	DC24			291.-				
	AC110-120	√	RH2B-UL*	396.-				
	AC220-240			406.-				
	DC24			360.-				
	AC110	-	RH3B-U*	834.-	SH3B-05B	245.-		
	AC220			905.-				
	DC24			825.-				
	AC110	√	RH3B-UL*	1,010.-				
	AC230			1,078.-				
	DC24			997.-				
	AC110	-	RH4B-U*	927.-	SH4B-05B	325.-		
	AC220							
	DC24							
	AC110	√	RH4B-UL*	997.-				
	AC220							
	DC24							
	AC110	-	RR2P-U*	406.-	SR2P-05B	246.-		
	AC120			442.-				
	AC220			406.-				
	DC24			372.-				
	AC110	√	RR2P-UL*	568.-	SR2P-06B	152.-		
	AC120			522.-				
	AC220			499.-				
	DC24			442.-				
	AC110	-	RR3P-U*	557.-	SR3P-05B	221.-		
	AC220			√			RR3P-UL*	499.-
	DC24							
	AC110	719.-						
	AC220	638.-						
	DC24	604.-						

RJ_Series Slim Power Relays & SJ_Series Sockets

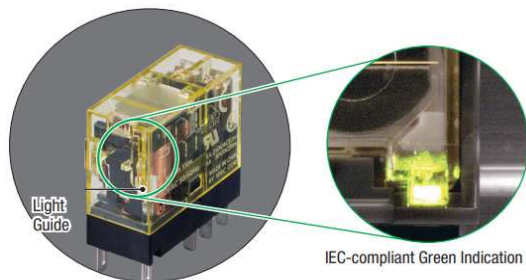
Compact and rugged power relays

High Visibility LED Indicator

IDEC's Unique Light Guide Structure.

An RJ relay can be easily identified with the illuminating LED.

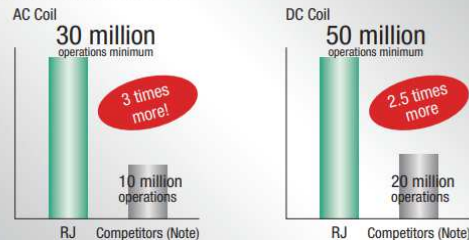
IEC-compliant Green Indication.



Excellent Durability

Our unique return spring structure provides improved durability and reliability of all mechanical parts.

Long Mechanical Life



Note: According to published specifications in other manufacturers' catalogs.

12A SPDT Contact



Shape	LED	Diode	Coil Voltage	Part No.	Unit Price
	-	-	110V AC	RJ1S-C-A110	186.-
	-	-	230V AC	RJ1S-C-A230	232.-
	-	-	24V DC	RJ1S-C-D24	163.-
	-	√		RJ1S-CD-D24	245.-
	√	-	110V AC	RJ1S-CL-A110	232.-
	√	-	230V AC	RJ1S-CL-A230	278.-
	√	-	24V DC	RJ1S-CL-D24	209.-
	√	√		RJ1S-CLD-D24	255.-

8A DPDT Contact

Shape	LED	Diode	Coil Voltage Operation	Part No.	Unit Price
	-	-	110V AC	RJ2S-C-A110	199.-
	-	-	230V AC	RJ2S-C-A230	245.-
	-	-	24V DC	RJ2S-C-D24	175.-
	-	√		RJ2S-CD-D24	255.-
			110V AC	RJ2S-CL-A110	255.-
	√	-	230V AC	RJ2S-CL-A230	302.-
	√	-	24V DC	RJ2S-CL-D24	232.-
	√	√		RJ2S-CLD-D24	267.-

SJ Series Sockets

Shape				
No. of Poles	1-pole		2-pole	
Screw Terminal	Standard	IP20(Finger-safe)	Standard	IP20(Finger-safe)
Part No.	SJ1S-05BS	SJ1S-07L	SJ2S-05BS	SJ2S-07L
Unit Price	116.-		140.-	152.-

GT5P Miniature Electronic Timers

Economic Efficiency Focused

Delayed Output SPDT/ 24VDC, 5A / 240V AC, 3A

- On Delay operation mode
- Repeat error : $\pm 0.2\% \pm 10\text{ms}$ maximum
- Complies with safety standards



Applicable Standard	Mark	File No. or Organization
UL508		UL/c-UL recognized File No. E55996
CSA C22.2 No.14		CSA File Ni. LR66809
EN61812-1		EU Low Voltage Directive

Time Range	Operating Voltage	Part No.	Unit Price
3S	100 to 120V AC	GT5P-N3SA100	1,275.-
10S		GT5P-N10SA100	
30S		GT5P-N30SA100	
60S		GT5P-N60SA100	
3M		GT5P-N3MA100	
6M		GT5P-N6MA100	
10M		GT5P-N10MA100	
1S		200 to 240V AC	
6S	GT5P-N6SA200		
10S	GT5P-N10SA200		
30S	GT5P-N30SA200		
60S	GT5P-N60SA200		
3M	GT5P-N3MA200		
6M	GT5P-N6MA200		
10M	GT5P-N10MA200		
1S	24V AC/DC	GT5P-N1SAD24	
6S		GT5P-N6SAD24	
10S		GT5P-N10SAD24	
60S		GT5P-N60SAD24	
6M		GT5P-N6MAD24	
10M		GT5P-N10MAD24	

Code	Time Range
1S	0.1 sec to 1 sec
3S	0.1 sec to 3 sec
6S	0.1 sec to 6 sec
10S	0.2 sec to 10 sec
30S	0.5 sec to 30 sec
60S	1 sec to 60 sec
3M	3 sec to 3 min
6M	6 sec to 6 min
10M	10 sec to 10 min

Applicable Socket	Unit Price
Shape & Part No.	
SR2P-05B 	245.-
SR2P-06B 	152.-
Hold down spring SFA-202 	9.-




GE1A Series Electronic Timers

Two different tiem range to cover a wide time range

Delayed Output 24V DC / 5A, 240V AC / 5A

- Large clear knob for easy time range setting
- On Delay operation mode
- Highly precise time control
- Instant monitoring of operation status by LED indicators





Applicable Standard	Mark	File No. or Organization
UL508 CSA C22.2 No.14		UL/c-UL Listed File No. E204716
EN61812-1		EU Low Voltage Directive
		TÜV Product Service

Time Range Code	Magnification	Time Range	Dial
10H	1S	0.1 sec to 1 sec	
	10S	1 sec to 10 sec	
	1M	0.1 min to 1 min	
	10M	1 min to 10 min	
	1H	0.1 hour to 1 hour	
	10H	1 hour to 10 hour	
30H	3S	0.3 sec to 3 sec	
	30S	3 sec to 30 sec	
	3M	0.3 min to 3 min	
	30M	3 min to 30 min	
	3H	0.3 hour to 3 hour	
	30H	3 hour to 30 hour	

Time Range	Rated Voltage	Part No Delayed SPDT + Instantaneous SPDT	Unit Price	Part No Delayed DPDT	Unit Price
10H	220 to 240V AC	GE1A-B10HA220	1,056.-	GE1A-C10HA220	1,253.-
	110 to 120V AC	GE1A-B10HA110		GE1A-C10HA110	
	24V AC/DC	GE1A-B10HAD24		GE1A-C10HAD24	
30H	220 to 240V AC	GE1A-B30HA220		GE1A-C30HA220	
	110 to 120V AC	GE1A-B30HA110		GE1A-C30HA110	
	24V AC/DC	GE1A-B30HAD24		GE1A-C30HAD24	



Accessories

Name	Shape	Part No	Unit Price
Panel Mount Adapter		GE9Z-AD	163.-
Screw Terminal Socket		SR6P-M08G	614.-

GT5Y Series Multi-function Miniature Electronic Timers

Four Selectable Operation Modes. Six Selectable Time Ranges

- Four operation mode: ON Delay, Interval ON, Cycle OFF, and Cycle ON
- Repeat error : $\pm 0.2\% \pm 10\text{ms}$ maximum
- Miniature size
- LED indicators for output and power
- Complies with safety standards. UL/c-UL listed. EN compliant

Applicable Standard	Mark	File No. or Organization
UL508 CAS C22.2 No.14		UL/c-UL Listed File No. E55996
EN61812-1		EU Low Voltag Directive



Appicabel Socket	GT5Y-2SN*	GT5Y-4SN*
	SM2S-05DF	SY4S-05DF
Hold down spring	SFA-511	





Operation Mode	Contact	Output	Time Ranges	Operating Voltage	Part No.	Unit Price
A: On Delay B: Interval ON C: Cycle OFF D: Cycle ON	DPDT	220V AC/ 30VDC,5A	0.1S to 10H	100 to 120V AC	GT5Y-2SN1A100	1,612.-
			0.1S to 30H		GT5Y-2SN3A100	
			0.1S to 60H		GT5Y-2SN6A100	
			0.1S to 10H	200 to 240V AC	GT5Y-2SN1A200	1,669.-
			0.1S to 30H		GT5Y-2SN6A200	1,658.-
			0.1S to 10H	24V DC	GT5Y-2SN1D24	1,519.-
			0.1S to 30H		GT5Y-2SN3D24	1,507.-
			0.1S to 60H		GT5Y-2SN6D24	
			4PDT	220V AC/ 30VDC,3A	0.1S to 10H	100 to 120V AC
	0.1S to 30H	GT5Y-4SN3A100				
	0.1S to 60H	GT5Y-4SN6A100				
	0.1S to 10H	200 to 240V AC			GT5Y-4SN1A200	1,716.-
	0.1S to 30H				GT5Y-4SN3A200	1,704.-
	0.1S to 60H	GT5Y-4SN6A200			1,716.-	
	0.1S to 10H	24V DC			GT5Y-4SN1D24	1,599.-
	0.1S to 30H				GT5Y-4SN3D24	
	0.1S to 60H				GT5Y-4SN6D24	

GT3 Series Multi-function Timers

Wide Variety including OFF Delay, Star-Delta and Twin-Timer

- Universal AC power voltage 100 to 240V AC
- Solid-state CMOS circuitry ensures high accuracy
- Easy-to-view operation indicator
- DIN 48mm square panel mount adapter for snap mounting
- Complies with safety standards. UL/c-UL listed. EN standard

Applicable Standard	Mark	File No. or Organization
UL508 CAS C22.2 No.14		UL/c-UL Listed File No. E55996
EN61812-1		EU Low Voltag Directive



Appicabel Socket	GT3A, GT3F, GT3S and GT3W	
	SR2P-05B	SR2P-06B
Hold down spring	SFA-202	

Multi-Mode (Analog Setting)

Operation Mode	Contact	Output	Time Ranges	Operating Voltage	Part No.	Unit Price
On Delay Interval ON Cycle OFF Cycle ON	Delayed SPDT	240V AC/ 3A	01. sec to 180 hours	100 to 120V AC	GT3A-1AF20	1,645.-
	Delayed SPDT + Instantaneous SPDT				GT3A-2AF20	1,796.-
	Delayed DPDT	240V AC/ 5A		24V AC/DC	GT3A-2AD24	1,658.-
				100 to 240V AC	GT3A-3AF20	1,739.-
				24V AC/DC	GT3A-3AD24	1,553.-

OFF Delay

Operation Mode	Contact	Output	Time Ranges	Operating Voltage	Part No.	Unit Price
Power OFF Delay w/o Reset Input	Delayed DPDT	250V AC/ 3A	0.1 sec to 600 sec	100 to 240V AC	GT3F-2AF20	2,747.-
				24V AC/DC	GT3F-2AD24	2,689.-

Star-Delta


Operation Mode	Contact	Output	Time Ranges	Operating Voltage	Part No.	Unit Price
Star-Delta	Delayed Star: SPST-NO Delta: SPST-NO Instantaneous: SPST-NO	250V AC/ 30V DC, 5A	Star: 0.05 to 100 sec Star-Dleta: 0.05 sec 0.1 sec 0.25 sec	100 to 240V AC	GT3S-2AF20	2,492.-

Twin-Timer


Operation Mode	Contact	Output	Time Ranges	Operating Voltage	Part No.	Unit Price
Serial Activation Coarse/Fine Adjustment Setting Instantaneous Cycle Cycle Inversion Interval ON Interval ON Delay Serial Interval ON	Delayed SPDT + Delayed SPDT	240V AC/ 3A	T1: 0.1 sec to 6 hours T2: 0.1 sec to 6 hours	100 to 240V AC	GT3W-A11AF20N	2,201.-
				24V AC/DC	GT3W-A11AD24N	2,364.-

ø22 HW_Series Locking lever removeable contact blocks


Pushbuttons

Shape	Operation	Contact	Part No.	Color Code	Unit Price
Flush 	Momentry	1NO	HW1B-M110*	B, G, R, S, W, Y	499.-
		1NC	HW1B-M101*		
		1NO-1NC	HW1B-M111*		801.-



Jumbo Dome Pilot Lights

Shape	LED Lamp	Rated Voltage	Part No.	Color Code	Unit Price
	LSTDB-2*N	24V AC/DC	HW1P-5Q4*	A, G, R, PW, S, Y	2,664.-


Illuminated Pushbuttons

Shape	LED Lamp	Rated Voltage	Part No.	Color Code	Unit Price
Round Flush 	LSRD-2	24V AC/DC	HW1L-M110Q4*	A, G, R, PW, S, Y	1,494.-
			HW1L-M111Q4*		1,820.-
	LSRD-6	200/220V AC	HW1L-M111M2*		2,295.-



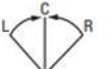
Emergency Stop Switches

Shape	Contact	Part No.	Color Code	Unit Price
ø40mm E-Stop HW1B-V4  	1NC	HW1B-V401R	R Y	1,576.-
	2NC	HW1B-V402R		1,913.-

Pushbutton Selectors


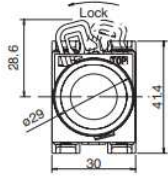

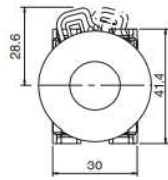
Shape	Circuit	Contact	Part No.	Color Code	Unit Price
HW1R 	D	2NO	HW1R-2D20*	B G R	1,368.-
		2NO-2NC	HW1R-2D22N1*		2,040.-

Selectors Switches


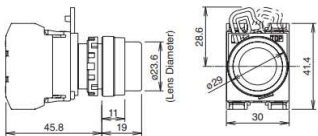

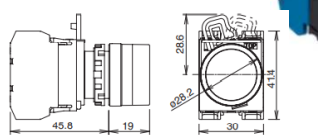
Shape	Function	Part No.	Contact	Unit Price
Knob Operator 	 Maintained	HW1S-2T10	1NO	743.-
		HW1S-2T11	1NO-1NC	1,078.-
	 2-way spring	HW1S-3T20	2NO	
		HW1S-33T20		

ø22 YW_Series Space-saving and light-weight




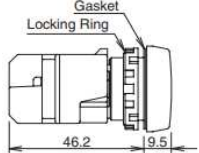
Pushbuttons

Shape	Dimensions	Color Code	Operation	Contact	Part No.	Unit Price
		B	Momentary	1NO	YW1B-M1E10*	140.-
		G		1NC	YW1B-M1E01*	
		R	Maintained	1NO	YW1B-A1E10*	186.-
		S		1NC	YW1B-A1E01*	
		S	Momentary	1NO	YW1B-M4E10*	186.-
		W		1NC	YW1B-M4E01*	
		Y	Maintained	1NO	YW1B-A4E10*	245.-
				1NC	YW1B-A4E01*	

Illuminated Pushbuttons

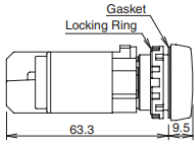

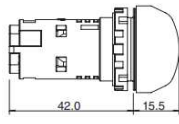

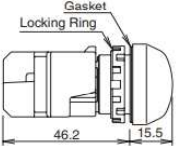

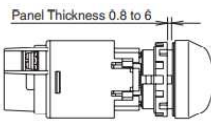

Shape	Dimensions	Contact	Voltage	Part No.	Color Code	Unit Price			
Extended Momentary  		1NO - 1NC	24V AC/DC	YW1L-M2E11Q4*	A, R, W, Y	372.-			
					G	442.-			
					S, PW	453.-			
						110V AC/DC	YW1L-M2E11QH*	A, R, W, Y	383.-
								G	442.-
								S, PW	453.-
			230/240V AC/DC	YW1L-M2E11QM3*	A, R, W, Y	383.-			
					G	442.-			
					S, PW	453.-			
Extended with Full Shroud Momentary  		1NO - 1NC	24V AC/DC	YW1L-MF2E11Q4*	A, R, W, Y	522.-			
					G, PW, S	604.-			
					A, R, W, Y	533.-			
						110V AC/DC	YW1L-MF2E11QH*	G, PW, S	604.-
								A, R, W, Y	533.-
								G, PW, S	604.-
			230/240V AC/DC	YW1L-MF2E11QM3*	A, R, W, Y	533.-			
					G, PW, S	604.-			

Pilot Lights

Shape	Voltage	Part No.	Color Code	Unit Price
Flush Full Voltage Unibody  	24V AC/DC	YW1P-1UQ4*	A, R, W, Y	140.-
			G, PW, S	163.-
	230/240V AC/DC	YW1P-1UQM3*	A, R, W, Y	140.-
			G, PW, S	163.-
Flush Full Voltage Removable Lamp  	24V AC/DC	YW1P-1EQ4*	A, R, W, Y	140.-
			G, PW, S	163.-
	110V AC/DC	YW1P-1EQH*	A, R, W, Y	140.-
			G, PW, S	163.-
	230/240V AC/DC	YW1P-1EQM3*	A, R, W, Y	140.-
			G, PW, S	163.-

ø22 YW_Series Space-saving and light-weight

Pilot Lights

Shape	Voltage	Lamp	Part No.	Color Code	Unit Price
Flush Transformer Removable Lamp  	230/240V AC	LED	YW1P-1EM42*	A, R, W, Y	232.-
				G, PW, S	255.-
		Incan	YW1P-1EM45*	A, R, W, Y	232.-
				G, PW, S	
Dome Full Voltage Unibody  	24V AC/DC		YW1P-2UQ4*	A, R, W, Y	140.-
				G, PW, S	163.-
	230/240V AC/DC		YW1P-2UQM3*	A, R, W, Y	140.-
				G, PW, S	163.-
Dome Full Voltage Removable Lamp  	24V AC/DC		YW1P-2EQ4*	A, R, W, Y	140.-
				G, PW, S	163.-
	110V AC/DC		YW1P-2EQH*	A, R, W, Y	140.-
				G, PW, S	163.-
	230/240V AC/DC		YW1P-2EQM3*	A, R, W, Y	140.-
				G, PW, S	163.-
Dome Transformer Removable Lamp  	230/240V AC	LED	YW1P-2EM42*	A, R, W, Y	232.-
				G, PW, S	255.-
		Incan	YW1P-2EM45*	A, R, W, Y	209.-
				G, PW, S	

Selector Switches & Key Selector Switches

Dimension & Shape	Function	Part No.	Contact	Unit Price	
Maintained  		YW1S-2E10	1NO	163.-	
		YW1S-2E11	1NO-1NC	232.-	
		YW1S-2E20	2NO		
	2-way Spring		YW1S-3E20	2NO	546.-
			YW1S-33E20	2NO	
Maintained  		YW1K-2AE10	1NO	464.-	
		YW1K-2AE11	1NO-1NC	564.-	
		YW1K-2BE10	1NO	464.-	
		YW1K-2BE11	1NO-1NC	546.-	
	2-way Spring		YW1K-3AE20		2NO
			YW1K-33DE20		2NO

A: Key removable in all positions

B: Key removable in left only (2-position)

ø22 YW_Series Space-saving and light-weight

Emergency Stop Switches / Illuminated Emergency Stop Switches







Dimension & Shape	Function	LED	Part No.	Contact	Unit Price
	Pushlock Pull / Turn Reset	Non	YW1B-V4E01R	1NC	221
			YW1B-V4E02R	2NC	291.-
			YW1B-V4E11R	1NO-1NC	
		24V AC/DC	YW1L-V4E01Q4R	1NC	406.-
			YW1L-V4E02Q4R	2NC	464.-
			YW1L-V4E11Q4R	1NO-1NC	
		230/240V AC/DC	YW1L-V4E01QM3R	1NC	418.-
			YW1L-V4E02QM3R	2NC	488.-
			YW1L-V4E11QM3R	1NO-1NC	

Accessories / Maintenance Parts







Name & Shape	Description & Dimensions (mm)	Part No.	Color Code	Unit Price	
	<p>Note : Yellow LED Lamp are used for "White" Illuminated Unit</p>	6V AC/DC	LSED-6*N	94.-	
		12V AC/DC	LSED-1*N		
		24V AC/DC	LSED-2*N		
		110/120V AC/DC	LSED-H*N	PW, S	152.-
		230/240V AC/DC	LSED-M3*N	G	116.-
		YW-E10	Blue: 1NO	94.-	
		YW-E01	Reddish Purple: 1NC		
	<p>Note : Double contact blocks cannot be used on emergency stop switches</p>	YW-EW20	Blue: 2NO	209.-	
		YW-EW11	Blue and Reddish Purple: 1NO-1NC		
		YW-EW02	Reddish Purple: 2NC		
	Prevents rotation of switches in panel. Mainly used with selector switches when no nameplate is used		HW9Z-RL	70.-	
	Metalic tool used to tighten the plastic locking ring when installing the YW series in a panel		MW9Z-T1	1,842.-	
	Made of rubber Used for replacing lamps		OR-55	52.-	

ø22 TW Series Pushbuttons

Flush / Extended / Extended w/Full Shroud / Mushroom / Pushlock Turn Reset










Shape	Operation	Contact	Part No.	Button Color	Unit Price
Flush ABW1 AOW1 	Momentary	1NO	ABW110*	B G R S W Y	360.-
		1NC	ABW101*		
	Maintained	1NO	AOW110*		859.-
		1NC	AOW101*		
Extended ABW2 AOW2 	Momentary	1NO	ABW210*		464.-
		1NC	ABW201*		
	Maintained	1NO	AOW210*		894.-
		1NC	AOW201*		
Extended with Full Shroud ABFW1 AOFW2 	Momentary	1NO	ABFW210*	614.-	
		1NC	ABFW201*		
	Maintained	1NO	AOFW210*	1,032.-	
		1NC	AOFW201*		
ø40mm Mushroom ABW4 AOW4 	Momentary	1NO	ABW410*	546.-	
		1NC	ABW401*		
	Maintained	1NO	AOW410*	962.-	
		1NC	AOW401*		
ø40mm Mushroom w/Full Shroud ABGW4 	Momentary	1NO	ABGW410*	1,112.-	
		1NC	ABGW401*		
Mushroom Pushlock Turn Reset ø29mm AVW3 ø40mm AVW4 	Pushlock Turn Reset	1NO	AVW310*	1,078.-	
		1NC	AVW301*		
		1NO	AVW410*	1,102.-	
		1NC	AVW401*		

ø25 TWS Series Pushbuttons


Flush / Extended / Extended w/Full Shroud / Mushroom / Pushlock Turn Reset					
Shape	Operation	Contact	Part No.	Button Color	Unit Price
Flush ABS1 AOS1 	Momentary	1NO	ABS110N*	B G R S W Y	430.-
		1NC	ABS101N*		
	Maintained	1NO	AOS110N*		1,102.-
		1NC	AOS101N*		
Extended ABS2 AOS2 	Momentary	1NO	ABS210N*		511.-
		1NC	ABS201N*		
	Maintained	1NO	AOS210N*		1,148.-
		1NC	AOS201N*		
Extended with Full Shroud ABFS2 AOF2 	Momentary	1NO	ABFS210N*	834.-	
		1NC	ABFS201N*		
	Maintained	1NO	AOF210N*	1,519.-	
		1NC	AOF201N*		
Mushroom ABS3 AOS3 	Momentary	1NO	ABS310N*	604.-	
		1NC	ABS301N*		
	Maintained	1NO	AOS310N*	1,240.-	
		1NC	AOS301N*		
Mushroom with Full Shroud ABGS3 AOG3 	Momentary	1NO	ABGS310N*	1,193.-	
		1NC	ABGS301N*		
ø35 Pushlock Turn Reset AVS3 	Pushlock Turn Reset	1NO	AVS310N*	1,263.-	
		1NC	AVS301N*		
		2NC	AVS302N*	1,519.-	
		1NO-1NC	AVS311N*		

ø30 TWN Series Pushbuttons

Flush / Extended / Extended w/Full Shroud / Mushroom / Jumbo Mushroom / Pushlock Turn Reset

Shape	Operation	Contact	Part No.	Button Color	Unit Price
Flush ABN1 AON1 	Momentary	1NO	ABN110*	B G R S W Y	557.-
		1NC	ABN101*		
	Maintained	1NO	AON110*		1,240.-
		1NC	AON101*		
Extended ABN2 AON2 	Momentary	1NO	ABN210*		604.-
		1NC	ABN201*		
	Maintained	1NO	AON210*		1,310.-
		1NC	AON201*		
Extended with Full Shroud ABN2F 	Momentary	1NO	ABN2F10*	951.-	
		1NC	ABN2F01*		
	Maintained	1NO	AON2F10*	1,681.-	
		1NC	AON2F01*		
Mushroom ABN3 AON3 	Momentary	1NO	ABN310*	696.-	
		1NC	ABN301*		
	Maintained	1NO	AON310*	1,390.-	
		1NC	AON301*		
Mushroom with Full Shroud ABN3G 	Momentary	1NO	ABN3G10*	1,333.-	
		1NC	ABN3G01*		
Jumbo Mushroom ABN4 	Momentary	1NO	ABN410*	916.-	
		1NC	ABN401*		
Jumbo Mushroom with Shallow Shroud ABN4G 	Momentary	1NO	ABN4G10*	1,635.-	
		1NC	ABN4G01*		
Jumbo Mushroom with Deep Shroud ABN4F 	Momentary	1NO	ABN4F10*	1,936.-	
		1NC	ABN4F01*		
ø40 Mushroom Pushlock Turn Reset 	Pushlock Turn Reset	1NO	AVN310N*	R Y	1,519.-
		1NC	AVN301N*		




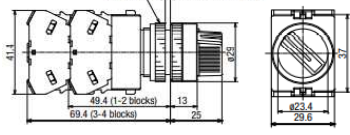


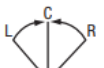



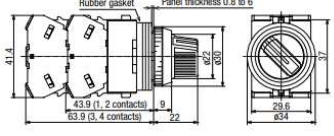
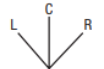
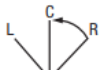
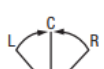



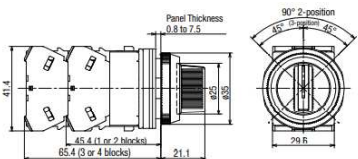

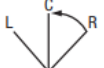
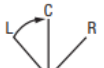
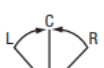
TW / TWS / TWN Series Illuminated Pushbutton

Round Illuminated Pushbuttons / Mushroom Illuminated Pushlock Turn Reset						
Shape		Rated Voltage	Contact	Part No.	Color Code	Unit Price
ø22mm	Round Extended ALW2 AOLW2 	24V AC/DC	1NO-1NC	ALW22211D*	A G P W R S Y	1,368.-
		110V AC		ALW21611D*		1,901.-
		220V AC		ALW22611D*		
	Round Extended with Full Shroud ALFW2 AOLFW2 	24V AC/DC	1NO-1NC	ALFW22211D*	A G P W R S Y	1,681.-
		110V AC		ALFW21611D*		2,225.-
		220V AC		ALFW22611D*		
	ø40mm Mushroom Pushlock Turn Reset AVLW4 	24V AC/DC	1NO-1NC	AVLW42211DR	R	2,097.-
		110V AC		AVLW41611DR		2,631.-
		220V AC		AVLW42611DR		
ø25mm	Round Extended ALS2 AOLS2 	24V AC/DC	1NO-1NC	ALS22211DN*	A G P W R S Y	1,566.-
		110V AC		ALS21611DN*		2,179.-
		220V AC		ALS22611DN*		
	Round Extended with Full Shroud ALFS2 AOLFS2 	24V AC/DC	1NO-1NC	ALFS22211DN*	A G P W R S Y	1,958.-
		110V AC		ALFS21611DN*		2,572.-
		220V AC		ALFS22611DN*		
	Mushroom Pushlock Turn Reset AVLS3 	24V AC/DC	1NO-1NC	AVLS32211DNR	R	2,352.-
		110V AC		AVLS31611DNR		2,144.-
		220V AC		AVLS32611DNR		
ø30mm	Round Extended ALN2 AOLN2 	24V AC/DC	1NO-1NC	ALN22211DN*	A G P W R S Y	1,704.-
		110V AC		ALN21611DN*		2,352.-
		220V AC		ALN22611DN*		
	Round Extended with Full Shroud ALFN2 AOLFN2 	24V AC/DC	1NO-1NC	ALFN22211DN*	A G P W R S Y	2,271.-
		110V AC		ALFN21611DN*		2,781.-
		220V AC		ALFN22611DN*		
	Mushroom Pushlock Turn Reset AVLN3 	24V AC/DC	1NO-1NC	AVLN32211DNR	R	2,723.-
		110V AC		AVLN31611DNR		3,429.-
		220V AC		AVLN32611DNR		



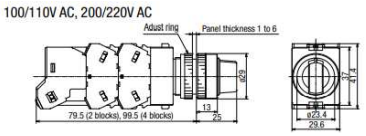




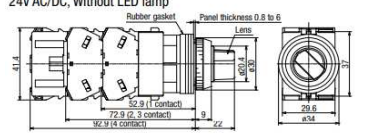




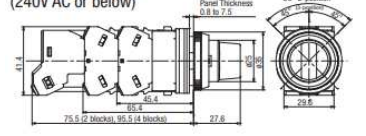

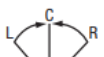
TW / TWS / TWN Series Pilot Lights

Round Flush / Dome / Square Flush Pilot Lights						
Shape		Lamp Type	Rated Voltage	Part No.	Color Code	Unit Price
Flush	ø 22 Round Flush APW1 	LED BA9S	24V AC/DC	APW122D*	A G P W R S Y	719.-
			110V AC	APW116D*		1,263.-
			220V AC	APW126D*		
			400V AC	APW146D*		
Dome	ø 22 Dome APW2 	LED BA9S	24V AC/DC	APW222D*		778.-
			110V AC	APW216D*		1,263.-
			220V AC	APW226D*		
			400V AC	APW246D*		
	ø 25 Dome APS1 	LED BA9S	24V AC/DC	APS122DN*		788.-
			110V AC	APS116DN*		1,403.-
			220V AC	APS126DN*		
			400V AC	APS146DN*		
ø 30 Dome APN1 	LED BA9S	24V AC/DC	APN122DN*	939.-		
		110V AC	APN116DN*	1,645.-		
		220V AC	APN126DN*			
		400V AC	APN146DN*			1,867.-
Square	ø 22 Square Flush (Marking) APQW1 	LED BA9S	24V AC/DC	APQW1B22D*	870.-	
			110V AC	APQW1B16D*	1,414.-	
			220V AC	APQW1B26D*		
	ø 25 Square (Marking) UPQS1B (Plastic Bezel) 	LED BA9S	24V AC/DC	UPQS1B22DN*	881.-	
			110V AC	UPQS1B16DN*	1,507.-	
			220V AC	UPQS1B26DN*		
	ø 30 Rectangular (Marking) UPQN4 	LED BA9S	24V AC/DC	UPQN422D*	1,056.-	
			110V AC	UPQN416D*	1,461.-	
			220V AC	UPQN426D*		

TW / TWS / TWN Series Selector Switches

Shape		Function		Part No.	Unit Price
90° 2-POS	<p>∅ 22 Knob Operator ASW</p> 		Maintained	ASW211	801.-
			Spring Return from Right	ASW2111	
45° 3-POS	<p>Adjust ring Panel thickness 1 to 6</p> 		Maintained	ASW320	
			Spring Return from Right	ASW3120	
			Spring Return Two-way	ASW3320	
90° 2-POS	<p>∅ 25 Knob Operator ASS</p> 		Maintained	ASS211N	
			Spring Return from Right	ASS2111N	
45° 3-POS	<p>Rubber gasket Panel thickness 0.8 to 6</p> 		Maintained	ASS320N	
			Spring Return from Right	ASS3120N	
			Spring Return Two-way	ASS3320N	
90° 2-POS	<p>∅ 30 Knob Operator ASN</p> 		Maintained	ASN211N	1,020.-
			Spring Return from Right	ASN2111N	
45° 3-POS	<p>Panel Thickness 0.8 to 7.5</p> <p>90° 2-position 15° 10-position 45°</p> 		Maintained	ASN320N	
			Spring Return from Right	ASN3120N	
			Spring Return from left	ASN3220N	
			Spring Return Two-way	ASN3320N	

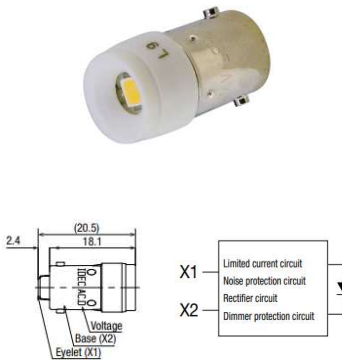
TW / TWS / TWN Series Illuminated Selector Switches


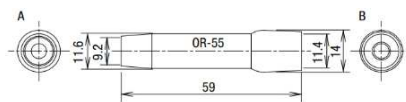
Shape		Function Maintained	Rated Voltage	Part No.	Color Code	Unit Price	
90° 2-POS	ø 22 Knob Operator ASLW 		24V AC/DC	ASLW22211D*	A G P W R S Y	1,738.-	
			110V AC	ASLW21611D*		2,271.-	
			220V AC	ASLW22611D*			
45° 3-POS	100/110V AC, 200/220V AC 		24V AC/DC	ASLW32220D*		1,635.-	
			110V AC	ASLW31620D*		2,059.-	
			220V AC	ASLW32620D*			
				24V AC/DC		ASLW332220D*	1,727.-
90° 2-POS	ø 25 Knob Operator ASLS 		24V AC/DC	ASLS22211DN*		A G P W R S Y	1,982.-
			110V AC	ASLS21611DN*			2,596.-
			220V AC	ASLS22611DN*			
45° 3-POS	24V AC/DC, Without LED lamp 		24V AC/DC	ASLS32220DN*			1,982.-
			110V AC	ASLS31620DN*			2,497.-
			220V AC	ASLS32620DN*			
				24V AC/DC	ASLS332220DN*		2,596.-
90° 2-POS	ø 30 Knob Operator ASLN 		24V AC/DC	ASLN22211DN*	A G P W R S Y		2,259.-
			110V AC	ASLN21611DN*			2,644.-
			220V AC	ASLN22611DN*			
45° 3-POS	100/110V AC, 200/220V AC (240V AC or below) 		24V AC/DC	ASLN32220DN*			2,104.-
			110V AC	ASLN31620DN*			2,644.-
			220V AC	ASLN32620DN*			
				24V AC/DC		ASLN332220DN*	2,259.-

TW / TWS / TWN Series Key Selector Switches

Shape		Function	Key Removable Position	Part No.	Unit Price
90° 2-POS	ø 22 Key Selector Switch ASW□K(Key No.0) 		Removable All Positions	ASW2K11	1,275.-
			Removable in left only	ASW2K11B	
			Removable All Positions	ASW3K20	
			Two-way spring & Removable All Positions	ASW33K20	
45° 3-POS			Removable All Positions	ASS2K11N	1,461.-
			Removable in left only	ASS2K11NB	
			Removable All Positions	ASS3K20N	
			Two-way spring & Removable All Positions	ASS33K20N	
90° 2-POS	ø 25 Key Selector Switch ASS□K(Key No.0) 		Removable All Positions	ASN2K11N	1,622.-
			Removable in left only	ASN2K11NB	
			Removable All Positions	ASN3K20N	
			Two-way spring & Removable All Positions	ASN33K20N	
45° 3-POS			Removable All Positions	ASN2K11N-NO24401	1,622.-
			Removable in left only	ASN2K11NB-NO24401	
			Removable All Positions	ASN21K11N-NO24401	
			Two-way spring & Removable All Positions	ASN21K11N-NO24401	
90° 2-POS	ø 30 Key Selector Switch ASN□K(Key No.0) 		Removable All Positions	ASN3K20N-NO24401	1,622.-
			Removable in left only	ASN3K20N-NO24401	
			Removable All Positions	ASN33K20N-NO24401	
			Two-way spring & Removable All Positions	ASN33K20N-NO24401	
45° 3-POS			Removable All Positions	ASN2K11N-NO24401	1,622.-
			Removable in left only	ASN2K11NB-NO24401	
			Removable All Positions	ASN21K11N-NO24401	
			Two-way spring & Removable All Positions	ASN21K11N-NO24401	

HW / TW / TWS / TWN Series Accessories

Shape	Operating Voltage	Current Draw		Part No.	Color Code	Unit Price
		AC	DC			
 <p>The diagram shows a cylindrical LED lamp with a lens. Below it is a circuit diagram with components labeled X1 (Limited current circuit, Noise protection circuit, Rectifier circuit) and X2 (Dimmer protection circuit). Dimensions for the lamp are given as 2.4, 18.1, and 20.5.</p>	6V AC/DC	10mA	14mA	LSRD-6	Applicable for 6 difference color lens	342.-
	12V AC/DC	7mA	8mA	LSRD-1		
	24V AC/DC			LSRD-2		
	100/120V AC/DC	2mA	2mA	LSRD-H2	533.-	
	200/220V AC			LSRD-M2		
	230/240V AC			LSRD-M4		




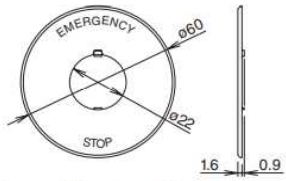

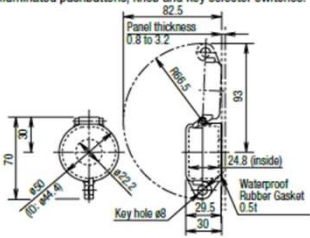

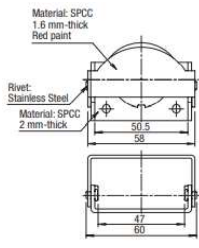

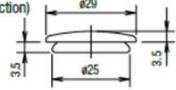
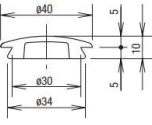
Shape	Remarks	Part No.	Unit Price
 <p>A black cylindrical tool with a wider base (A) and a narrower tip (B).</p>	<ul style="list-style-type: none"> Used to install and remove the LED lamps A: For BA9S base B: For E12 base  <p>Technical drawing of the tool OR-55 with dimensions: 11.6, 2.2, 59, 11.4, 14.</p>	OR-55	52.-

Shape	Material	Part No.	Unit Price
 <p>Three keys on a ring, one is inserted into a switch.</p>	Metal (nickel-plated brass)	TW-SK-0 (package quantity:2)	116.-
 <p>Red mushroom-shaped buttons with a turn reset feature.</p>	Polyacetal	AVW3B-R	221.-
		AVW4B-R	255.-
		AVW4B-Y	
	AS resin	AVS3BN-R	314.-
		AVN3B-R	360.-
		AVN3B-Y	
 <p>Red mushroom-shaped lenses for illuminated pushbuttons.</p>	AS resin	AVLW3LD-R-K	245.-
		AVLW4LD-R-K	278.-
		AVLS3L-R-K	283.-
		AVLN3L-R-K	396.-


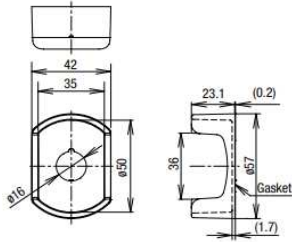

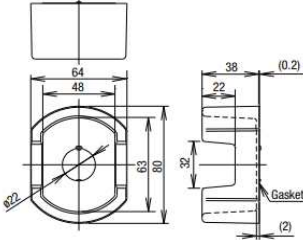

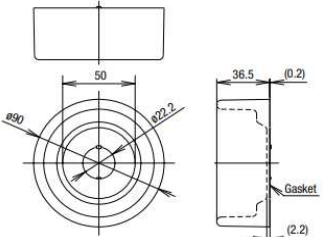

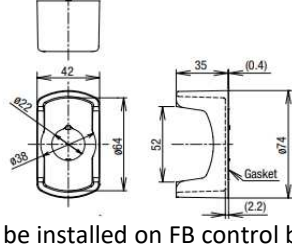

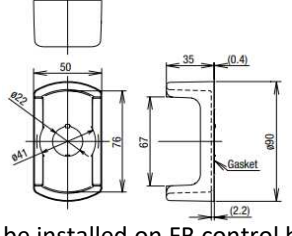

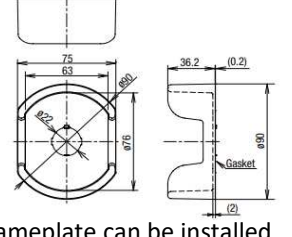

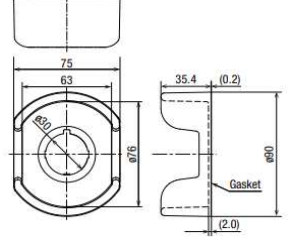
HW / TW / TWS / TWN Series Accessories

Shape	Description	Remarks	Part No.	Unit Price
	NO Contact	Housing color: Blue	HW-U10	372.-
		Push rod color: Green		
	NC Contact	Housing color: Reddish purple	HW-U01	
		Push rod color: Red		
	NO Contact	Housing color: Dark gray	BS010E	267.-
		Push rod color: Green		
	NC Contact	Housing color: Dark gray	BS001E	
		Push rod color: Red		
	100/110V AC	<ul style="list-style-type: none"> •Applicable load(LED Lamp) LSRD-6 (6V AC/DC) • For TWN/TW/TWE/TWS/HW 	HW-T16	592.-
	200/220V AC		HW-T26	
	400/440V AC		HW-L46	661.-
	100/110V AC	<ul style="list-style-type: none"> •Applicable load(LED Lamp) LSRD-6 (6V AC/DC) • For TWN/TWND Pilot Light only 	TWR-016B	453.-
	200/220V AC		TWR-026B	
	100/110V AC	LSRD-6* (6V AC/DC, LED lamp)	TWR516	452.-
	200/220V AC		TWR526	
	400/440V AC		TWR546	650.-
	100/110V AC	<ul style="list-style-type: none"> LSRD-2* (24V LED lamp) SLDN-32M-* (24V LED Module) SLCN-42M-* (24V LED Module) 	TWR512	719.-
	200/220V AC		TWR522	
	400/440V AC		TWR542	939.-

HW / TW / TWS / TWN Series Accessories

Shape		Dimensions (mm)		Part No.	Unit Price	
Button Clear Boot 	For Flush pushbuttons	<ul style="list-style-type: none"> Used to cover and protect push-buttons where units are subject to water splash. Not suitable for outdoor use or where the units are subject to oil splash. 	ø22	OC-31	116.-	
			ø30	OC-121	140.-	
	For Extended pushbuttons		ø22	OC-32	116.-	
			ø30	OC-122	140.-	
Button Cover for Extended Pushbutton 	Nitril Rubber	<ul style="list-style-type: none"> Metallic bezels covered with a rubber boot to enhance waterproof characteristics. Button is not included. Applicable to extended pushbuttons only. Oil-proof Operating temperature: -5 to +60°C. <p>* : B, G, R, Y</p>	ø22	OCW-11*	209.-	
			ø25	OCS-11*	221.-	
			ø30	OC-11*	245.-	
Nameplates 	Background: Yellow Material: Polyamide	 <ul style="list-style-type: none"> Legend "Emergency Stop" is indicated outside a ø44mm circle. <p>DIM : HWAV-27-Y</p>		HWAV-27-Y ø 22	209.-	
				HNAV-27 ø 30	255.-	
Padlock Cover 	Polyarylate (gasket:nitril rubber)	<ul style="list-style-type: none"> Used to protect momentary and maintained pushbuttons, illuminated pushbuttons, knob and key selector switches.  <p>DIM : HW9Z-KL1</p>		HW9Z-KL1 ø 22	557.-	
				OLS-KL1 ø 25	418.-	
				OL-KL1 ø 30	453.-	
Padlock Cover for Key Selector Switches 	Metal Paint: red(zinc-plated brass)	 <p>DIM : HS9Z-PC22</p>		HS9Z-PC22 ø 22	1,519.-	
				HS9Z-PC30 ø 30	1,704.-	
Rubber Mouting Hole Plug 	Nitril Rubber (black)	<ul style="list-style-type: none"> Used to plug unused ø22.2mm mounting holes. Degree of protection: IP65 (round mounting hole) IP40 (with anti-rotation function) 		OB-31 ø 22	36.-	
			Nitril Rubber (gray)			OB-13B ø 30
				<ul style="list-style-type: none"> Used to plug unused ø30.5 mm mounting holes. Degree of protection: IP40 		OB-13 ø 30

SEMI S2 & ISO 13850 Compliant Switch Guard

Series	Description & Shape	Dimensions (mm)	Applicable Switches	Part No.	Unit Price
Ø16mm XA Series	Ø16mm EMO Switch Guard 		XA1E-BV3 XA1E-BV4 XA1E-LV3 XA1E-LV4	XA9Z-KG1	1,229.-
Ø22mm HW/XW Series	Ø22mm EMO Switch Guard 		XW1E-BV4 XW1E-LV4 XW1E-TV4 HW1B-V3 HW1B-V4 HW1B-X4 HW1B-Y2	HW9Z-KG1	1,112.-
	Ø22mm EMO Switch Guard 			HW9Z-KG2	
	Ø22mm EMO Switch Guard 	 • Can be installed on FB control boxes		HW9Z-KG3	957.-
	Ø22mm EMO Switch Guard 	 • Can be installed on FB control boxes		HW9Z-KG4	985.-
Ø22mm EMO Switch Guard 	 • A nameplate can be installed	HW9Z-KG5			
		HW9Z-KG5-W			
Ø30mm XN Series	Ø30mm Switch Guard 		XN1E-BV4 XN1E-BV5 XN1E-LV4 XN1E-TV4	XN9Z-KG1	1,229.-




• Material: Polyamide (PA6), degree of protection: IP65 (IEC 60529)

• IDEC provides combinations of emergency stop switch and switch guard products that have been approved by TÜV Rheinland.




• Refer to the latest standard when selecting products. For details, see IDEC website.

ø30 XN Series Emergency Stop Switches




LED Push-ON Pushlock Pull/Turn Reset (Padlockable)

Shape	Illumination	Rated Voltage	NC Main Contact	NO Monitor Contact	Part No. w/Terminal Cover	Unit Price
  	LED Red only	24V AC/DC	2NC	-	XN4E-TL402Q4MR	8,742.-
			3NC	-	XN4E-TL403Q4MR	9,117.-
			2NC	1NO	XN4E-TL412Q4MR	

Illuminated Pushlock Pull/Turn Reset (Padlockable)




Shape	Illumination	Rated Voltage	NC Main Contact	NO Monitor Contact	Part No. w/Terminal Cover	Unit Price
  	LED Red only	24V AC/DC	1NC	1NO	XN4E-LL411Q4MR	8,005.-
			2NC	1NO	XN4E-LL412Q4MR	8,374.-
			2NC	2NO	XN4E-LL422Q4MR	8,747.-

Non-Illuminated Pushlock Pull/Turn Reset (Padlockable)




Shape	Operator Color	Rated Voltage	NC Main Contact	NO Monitor Contact	Part No. w/Terminal Cover	Unit Price
  	Bright Red only	24V AC/DC	1NC	1NO	XN4E-BL411MRH	7,033.-
			2NC	1NO	XN4E-BL412MRH	7,402.-
			2NC	2NO	XN4E-BL422MRH	7,773.-

ø22 XW Series Emergency Stop Switches

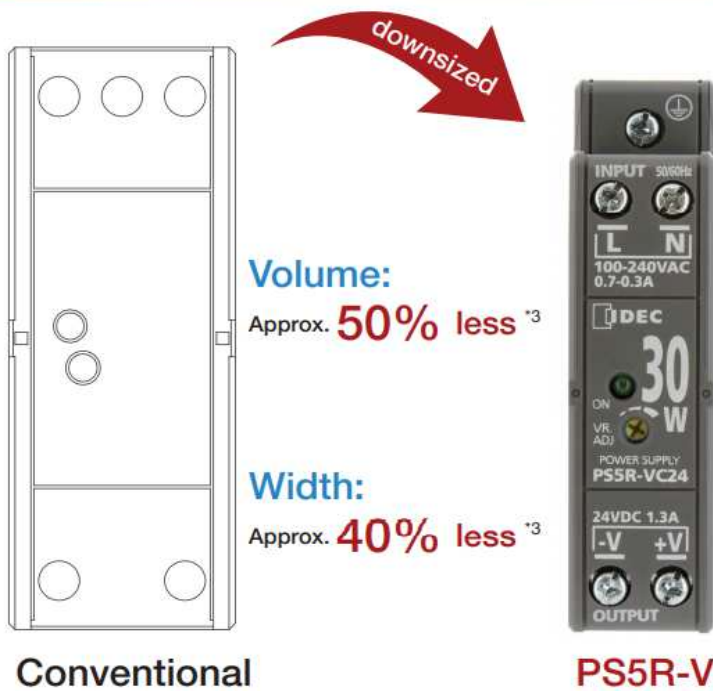
Illuminated Pushlock Pull/Turn Reset

Shape	Operator Color	Rated Voltage	NC Main Contact	NO Monitor Contact	Part No. w/Terminal Cover	Unit Price
  	LED Red only	24V AC/DC	1NC	1NO	XW1E-LV411Q4MR	3,986.-
			2NC	1NO	XW1E-LV412Q4MR	4,344.-
			2NC	2NO	XW1E-LV422Q4MR	4,716.-

Non-Illuminated Pushlock Pull/Turn Reset

Shape	Operator Color	Rated Voltage	NC Main Contact	NO Monitor Contact	Part No. w/Terminal Cover	Unit Price
  	Dark Red only	24V AC/DC	1NC	1NO	XW1E-BV411MR	3,001.-
			2NC	-	XW1E-BV402MR	
			2NC	2NO	XW1E-BV422MR	3,731

Ultimate Downsizing



Reduced installation space

- Required space between the switching power supplies reduced to half ^{*1}
- Size is reduced to the smaller output capacity (30W/90W/120W) ^{*2}

Reduced wiring & flexible installation

- Less wiring required
- Can be installed in six directions

Improved reliability

- Five-year warranty ^{*1}
- Operating temperature -25 to +75°C ^{*1}

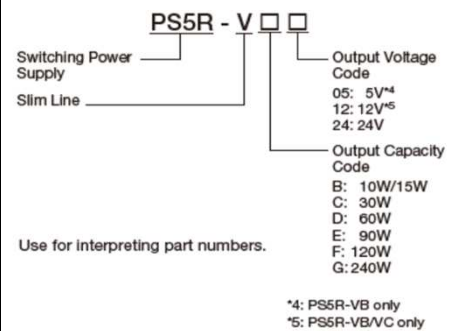
^{*1} For details on specification or operating conditions, see catalog or manual.
^{*2} Compared with conventional PS5R-S model.
^{*3} Compared with conventional PS5R-S output capacity 30W model.

Output Capacity	Part No.	Input Voltage	Output Voltage	Output Current	Unit Price
10W	PS5R-VB05	100t to 240VAC (Voltage range:85 to 264V AC / 100 to 370V DC)	5V	2.0A	3,001.-
15W	PS5R-VB12		12V	1.3A	2,815.-
	PS5R-VB24		24V	0.65A	
30W	PS5R-VC12		12V	2.5A	3,291.-
	PS5R-VC24		24V	1.3A	
60W	PS5R-VD24			2.5A	4,460.-
90W	PS5R-VE24			3.75A	6,209.-
120W	PS5R-VF24			5.0A	8,525.-
240W	PS5R-VG24			10.0A	11,630.-

Panel Mounting Bracket *

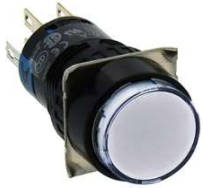


Applicable Switching Power Supply	Order No.	Remarks	Unit Price
PS5R-VB	PS9Z-5R1B	-	309.-
PS5R-VC	PS9Z-5R2B	For side mounting	784.-
PS5R-VD	PS9Z-5R1C	-	409.-
PS5R-VE			
PS5R-VF	PS9Z-5R1E	-	536.-
PS5R-VG	PS9Z-6R1F	-	210.-
	PS9Z-6R2F	For side mounting	299.-

Part No. Development



* Used for direct panel mounting

ø16 A6 Illuminated Pushbuttons




Shape	Operation	Operating Voltage	Contact	Part No.	Color Code	Unit Price
Round AL6M-M AL6M-A 	Momentary	24V AC/DC ± 10%	SPDT	AL6M-M14*C	A:amber G:green JW:pure white R:red S:blue Y:yellow	592.-
			DPDT	AL6M-M24*C		811.-
	Maintained		SPDT	AL6M-A14*C		811.-
			DPDT	AL6M-A24*C		847.-
Squar AL6Q-M AL6Q-A 	Momentary		SPDT	AL6Q-M14*C		529.-
			DPDT	AL6Q-M24*C		811.-
	Maintained		SPDT	AL6Q-A14*C		811.-
			DPDT	AL6Q-A24*C		870.-
Rectangular AL6H-M AL6H-A 	Momentary	SPDT	AL6H-M14*C	592.-		
		DPDT	AL6H-M24*C	778.-		
	Maintained	SPDT	AL6H-A14*C	730.-		
		DPDT	AL6H-A24*C	778.-		

- A pure white (JW) LED lamp is used for yellow illuminated
- Part No. with " C " after the color code uses polycarbonate lens.
- Please see catalogue for other operating voltage such 5V DC, 12V AC/DC


ø16 A6 Series Pushbuttons

Shape	Button Style	Operation	Contact	Part No.	Color Code	Unit Price
Round AB6M 	Button (Polyarylate)	Momentary	SPDT	AB6M-M1*C	B G R S W Y	442.-
			DPDT	AB6M-M2*C		707.-
		Maintained	SPDT	AB6M-A1*C		627.-
			DPDT	AB6M-A2*C		824.-
Square AB6Q 		Momentary	SPDT	AB6Q-M1*C		442.-
			DPDT	AB6Q-M2*C		707.-
		Maintained	SPDT	AB6Q-A1*C		627.-
			DPDT	AB6Q-A2*C		824.-
Rectangular AB6H 		Momentary	SPDT	AB6H-M1*C		442.-
			DPDT	AB6H-M2*C		707.-
		Maintained	SPDT	AB6H-A1*C		627.-
			DPDT	AB6H-A2*C		824.-
ø16mm Mushroom 	Red button with Arrow Marked	Pushlock Pull / Turn Reset	1NC	AB6E-3BV01PRM	-	580.-
			2NC	AB6E-3BV02PRM		638.-


ø16 A6 Series Pilot Lights

Shape	Operating Voltage	Degree Of Protection	Part No.	Color Code	Unit Price
Round AL6M-P 	24V AC/DC ±10%	IP 40	AL6M-P4*C	A, JW, R, Y	396.-
				G, S	568.-
Square AL6Q-P 			AL6Q-P4*C	A, G, JW, R, S, Y	442.-
				Rectangular AL6H-P 	AL6H-P4*C
G, S			442.-		



ø16 A6 Series Selector Switches

Shape	Operator Position		Contact	Part No.	Remark	Unit Price
Round AS6M-□Y 	90° 2-Position	Maintained	SPDT	AS6M-2Y1C	<ul style="list-style-type: none"> ● Bezel: black ● Knob: black ● IP40 	719.-
						AS6M-2Y2C
	45° 3-Position	Maintained	DPDT	AS6M-3Y2C		
90° 2-Position		Maintained		SPDT		AS6Q-2Y1C
						AS6Q-2Y2C
45° 3-Position	Maintained	DPDT	AS6Q-3Y2C			
	90° 2-Position		Maintained	SPDT	AS6H-2Y1C	719.-
					AS6H-2Y2C	985.-
45° 3-Position	Maintained	DPDT	AS6H-3Y2C			


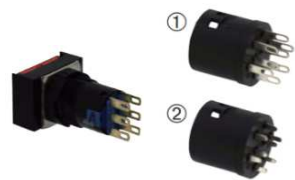
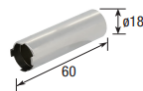


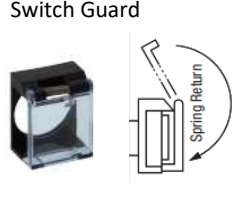


ø16 A6 Key Selector Switches

Shape	Operator Position		Contact	Part No.	Remark	Unit Price
Round AS6M-□K 	90° 2-Position	Maintained	SPDT	AS6M-2KT1AC	<ul style="list-style-type: none"> ● Key removable at 0 positions ● Two keys are supplied ● IP40 	1,867.-
						AS6M-2KT2AC
	45° 3-Position	Maintained	DPDT	AS6M-3KT2AC		
90° 2-Position		Maintained		SPDT		AS6Q-2KT1AC
						AS6Q-2KT2AC
45° 3-Position	Maintained	DPDT	AS6Q-3KT2AC			
	90° 2-Position		Maintained	SPDT	AS6H-2KT1AC	1,681.-
					AS6H-2KT2AC	2,004.-
45° 3-Position	Maintained	DPDT	AS6H-3KT2AC			

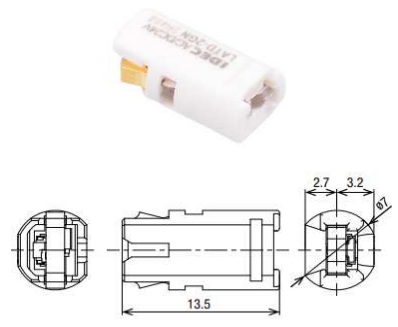
ø 16 A6 Buzzer Unit & Cyclical Sound Adapter

Shape	Type of Name	Terminal	Sound Pressure (at 0.1m)	Operating Voltage	Type No.	Unit Price
	Buzzer Unit	Solder	Steady sound: 75dB (at the rated voltage)	12V DC ±10%	UZ6-11	1,658.-
				24V DC ±10%	UZ6-12	
	Cyclical Sound Adapter	Screw	30 to 600 cycles/minute (period: 2 to 0.1sec) ON/OFF ratio 1:1	12V/24V DC ±10%	UZ6-F10	1,425.-

ø 16 A6 Series Accessories


Shape	Material & Specification	Remarks	Part No.	Unit Price
Terminal Cover 	Polyamide (white)	<ul style="list-style-type: none"> When wiring the terminals, insert the lead wires into the terminal cover holes before soldering Terminal cover is not attached and must be ordered separately. 	AL-V6	51.-
Socket 	① Solder Terminal	<ul style="list-style-type: none"> Plugs on the rear of the A series control units 	AL-C6	225.-
	② PC Board Terminal		AL-C6V	
Locking Ring Wrench 	Metal (nickel-plated brass)	<ul style="list-style-type: none"> Used to tighten the locking ring when installing A6 control units into a panel. 	MT-001	337.-
Lamp Holder Tool 	Rubber	<ul style="list-style-type: none"> Used to install and remove the LED lamps. 	OR-77	75.-
Lens Removal Tool 	Stainless Steel	<ul style="list-style-type: none"> Used to install and remove lenses and buttons. 	MT-101	50.-
Switch Guard 	For round/square units(180°)	<ul style="list-style-type: none"> Degree of protection:IP40 Used to protection pushbuttons from inadvertent operation. 	AL-K6S	165.-
	For rectangular units(180°)		AL-KH6S	
Mounring Hole Plug 	Nitryl rubber (black)	<ul style="list-style-type: none"> Degree of protection: IP65 	AL-B6	52.-
Spare key 	Brass with nickel plating	<ul style="list-style-type: none"> Key selector (disc tumber key) Package Quantity: 2pcs. 	AS6-SK-132	372.-

LED Lamps



Shape & Dimension	Operating Voltage	Current Draw	Remarks	Part No.	Color Code	Unit Price
	5V DC ±5%	5mA	<ul style="list-style-type: none"> Exclusive for A6 series Use a pure white (JW) LED Lamp for yellow illuminated 	LATD-5*N	A	199.-
	12V AC/DC ±10%			LATD-1*N	J W	
	24V AC/DC ±10%			LATD-2*N	R S	

Ø16 LB_Series Switches and Pilot Lights (IP65)


Illuminated Pushbuttons

Shape	Operation	Contact	Operating Voltage	Part No.	Color Code	Unit Price
	Momentary	SPDT	24V AC/DC	LB3L-M1T14*	A, G, PW, R, S, Y	661.-
		DPDT		LB3L-M1T24*		765.-
	Maintained	SPDT		LB3L-A1T14*		696.-
		DPDT		LB3L-A1T24*		811.-









Pilot Lights

Shape	LED Unit	Operating Voltage	Part No.	Color Code	Unit Price
	All the illuminated unit contain an LED unit. 	24V AC/DC	LB3P-1T04*	A, G, PW, R, S, Y	511.-


Pushbutton Switches

Shape	Operation	Contact	Part No.	Color Code	Unit Price
	Momentary	SPDT	LB3B-M1T1*	B, G, R, S, W, Y	464.-
		DPDT	LB3B-M1T2*		580.-
	Maintained	SPDT	LB3B-A1T1*		511.-
		DPDT	LB3B-A1T2*		614.-



Selector Switches & Key Selector Switches

Shape	Operator Position		Contact	Part No.	Unit Price	
	90° 2-Position	Maintained		SPDT	LB3S-2T1	707.-
				DPDT	LB3S-2T2	811.-
				3PDT	LB3S-2T3	1,032.-
	45° 3-position	Maintained		DPDT	LB3S-3T2	811.-
				3PDT	LB3S-3T3	1,032.-
		Spring return		DPDT	LB3S-33T2	811.-
	90° 2-Position	Maintained Key remove		SPDT	LB3K-2T1A	1,287.-
				DPDT	LB3K-2T2A	1,390.-
				3PDT	LB3K-2T3A	1,612.-
	45° 3-position	Maintained Key remove		DPDT	LB3K-3T2A	1,390.-
				3PDT	LB3K-3T3A	1,612.-
		Spring return two-way		DPDT	LB3K-33T2D	1,390.-
			3PDT	LB3K-33T3D	1,612.-	




Buzzers Unit

Shape	Sound Pressure	Operating Voltage	IP	Terminal Style	Part No.	Unit Price
	Steady Sound: 80dB minimum	24V DC ±10%	IP54	Solder/tab terminal	LB3Z-1T04	1,658.-

AP_Series Pilot Lights

Shape	Lens Shape	Voltage	Part No.	Color Code	Unit Price
ø16 AP6M 	Dome	DC 6V	AP6M266*	A G R Y P W	627.-
		DC 12V	AP6M211*		
		DC 24V	AP6M222*		
ø16 AP6M 	Flat	DC 6V	AP6M166*		
		DC 12V	AP6M111*		
		DC 24V	AP6M122*		
ø12 AP2M 	Dome	DC 6V	AP2M266*		
		DC 12V	AP2M211*		
		DC 24V	AP2M222*		
ø12 AP2M 	Flat	DC 6V	AP2M166*		
		DC 12V	AP2M111*		
		DC 24V	AP2M122*		
ø10 AP1M 	Dome	DC 5V	AP1M255*	A G R Y	430.-
		AC/DC 12V	AP1M211*		
		AC/DC 24V	AP1M222*		
ø10 AP1M 	Flat	DC 5V	AP1M155*		
		AC/DC 12V	AP1M111*		
		AC/DC 24V	AP1M122*		
ø8 AP8M 	Dome	DC 5V	AP8M255*		
		AC/DC 12V	AP8M211*		
		AC/DC 24V	AP8M222*		
ø8 AP8M 	Flat	DC 5V	AP8M155*	PW, S	604.-
		AC/DC 12V	AP8M111*		
		AC/DC 24V	AP8M122*		

AP6S_Series Pilot Lights

Shape	LED Unit	Voltage	Part No.	Color Code	Unit Price
ø16 AP6S_Series Dome 	LSED-H*N	AC/DC 100/110V	AP6DS5H*	A G R Y	683.-
	LSED-M3*N	AC/DC 200/220V	AP6DS5M*		
ø16 AP6S_Series Flat 	LSED-H*N	AC/DC 100/110V	AP6MS5H*		
	LSED-M3*N	AC/DC 200/220V	AP6MS5M*		
ø16 AP6S_Series Rectangular 	LSED-H*N	AC/DC 100/110V	AP6HS5H*	PW, S	778.-
	LSED-M3*N	AC/DC 200/220V	AP6HS5M*		

BA Series Terminal Blocks

Quick-mount terminal block for Mounting on

35-mm-wide DIN rails

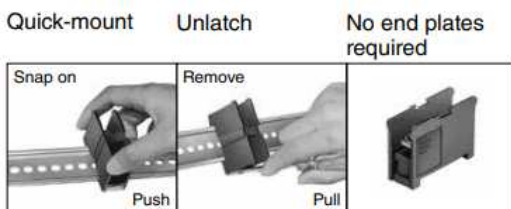
- No end plates are required
- Marking strip supplied " TK1681-2 "



Material

Parts Name	Material
Housing	Polyamide
Bus Bar	Brass (nickel-plated)
Terminal Screw	Steel (zinc chrome-plated)

Applicable Standard	Mark	Certification Organization/ File No.
UL 1059		UL recognized File No. E78117
CSA 22.2 No.158		CSA (File No. LR64803)



General Ratings






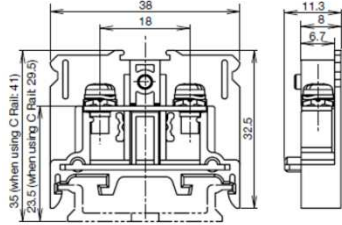





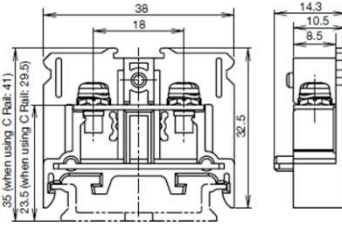





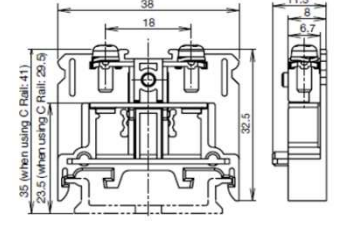





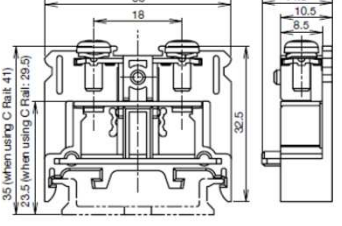




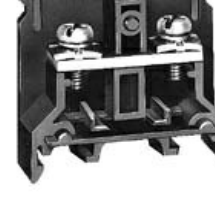
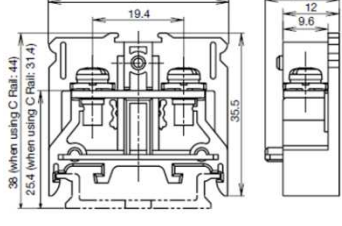





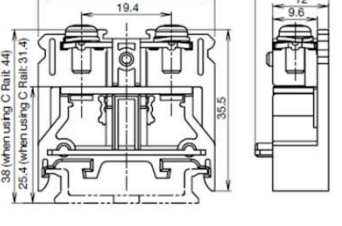
Dielectric Strength	2500V AC, 1 minute
Insulation Resistance	100MΩ minimum
Operating Temperature	-25 to +55°C (no freezing)
Storage Temperature	-25 to 70°C (no freezing)
Operating Humidity	45 to 85% RH (no condensation)

Style		UL / CSA		JIS		Terminal Screw	Part No.	Unit Price	
		Voltage/ Current	Wire Size	Voltage/ Current	Wire Size (mm ²)				
3-pole	Self-Lifting	300V/15A	22-14	600V/16A	1.25mm ² (2 mm ²)	M3	BA111T	61.-	
		300V/20A	22-12	600V/21A	2 mm ² (3.5 mm ²)	M3.5	BA211T	70.-	
		150V/30A	18-10	600V/40A	5.5 mm ²	M4	BA311T	109.-	
		600V/40A	16-6	600V/70A	14 mm ²	M5	BA411S	102.-	
1-pole	Large Capacity	Does not Comply		600V/94A	22 mm ²	M6	BA611S	140.-	
				600V/132A	38 mm ²	M8	BA711S	314.-	
				600V/240A	100 mm ²	M10	BA811S	430.-	
				600V/370A	200 mm ² (200 mm ² 2 wires) (325 mm ² 1 wire)	M12	BA911S	859.-	
	Fuse	Does not Comply		600V/10A		M4		BAF111S-□	245.-
	Fuse with Lamp							BAF111SN-□	325.-
	Without Fuse	600V/10A	18-10	600V/10A		M4		BAF111SU	255.-
	Without Fuse/With Lamp	600V/10A						BAF111SNU	337.-
	With Disconnecting Switch	Does not Comply						BAT20	278.-






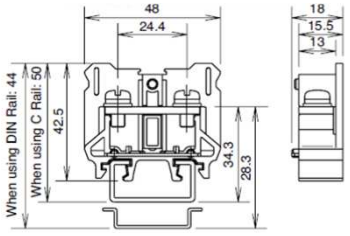





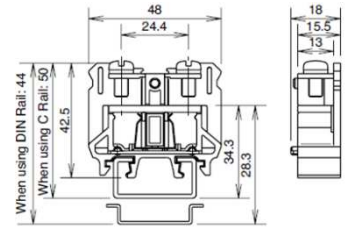





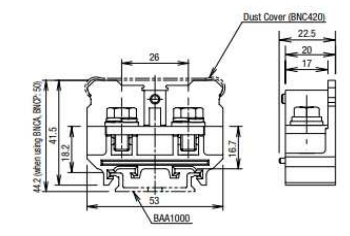





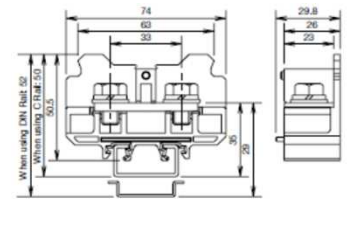





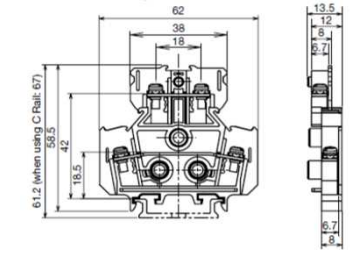





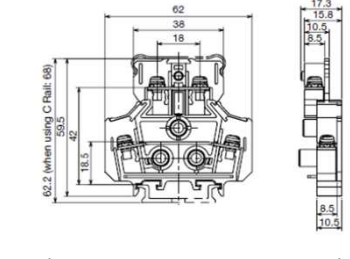
1. Specify fuse ratings 1A, 3A or 5A in place of □ in the Part NO.

2. The wire size in () does not comply with JIS standard






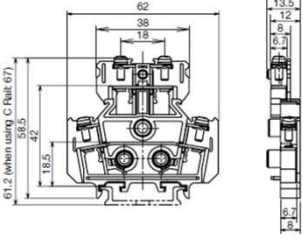





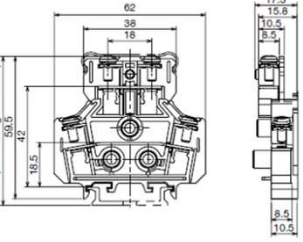
BN-W/BNH-W Series Terminal Blocks

<p>BN15MW</p>       <p>(Package Quantity 50 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Self-Lifting 800V 1.25 mm² 800V/16A 600V/15A BNE15W BNC230</p>
<p>Unit Price</p>		<p>41.-</p>
<p>BN15LW</p>       <p>(Package Quantity 50 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Self-Lifting 630V 2 mm² 630V/21A 600V/20A BNE15W BNC230</p>
<p>Unit Price</p>		<p>41.-</p>
<p>BNH15MW</p>       <p>(Package Quantity 50 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Self-Lifting 800V 1.25 mm² 800V/16A 600V/15A BNE15W BNC230</p>
<p>Unit Price</p>		<p>46.-</p>
<p>BNH15LW</p>       <p>(Package Quantity 50 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Self-Lifting 630V 2 mm² 630V/21A 600V/20A BNE15W BNC230</p>
<p>Unit Price</p>		<p>46.-</p>
<p>BN30W</p>       <p>(Package Quantity 50 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Self-Lifting 630V 5.5 mm² 630V/40A 600V/35A BNE30W BNC230</p>
<p>Unit Price</p>		<p>54.-</p>
<p>BNH30W</p>       <p>(Package Quantity 50 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Self-Lifting 630V 5.5 mm² 630V/40A 600V/35A BNE30W BNC230</p>
<p>Unit Price</p>		<p>54.-</p>




BN-W/BNH-W Series Terminal Blocks

<p>BN50W</p>       <p>(Package Quantity 20 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Touch-Down 800V 1.25 mm² 800V/70A 600V/60A BNE50W BNC320</p>
Unit Price		81.-
<p>BNH50W</p>       <p>(Package Quantity 20 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Touch-Down 800V 1.25 mm² 800V/70A 600V/60A BNE50W BNC320</p>
Unit Price		98.-
<p>BN75W</p>       <p>(Package Quantity 10 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Touch-Down 1000V 1.25 mm² 1000V/94A 600V/80A BNE75W BNC420</p>
Unit Price		111.-
<p>BN150W</p>       <p>(Package Quantity 5 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Touch-Down 1000V 1.25 mm² 1000V/175A 600V/150A BNE150W BNC520</p>
Unit Price		278.-
<p>BND15W</p>       <p>(Package Quantity 25 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Touch-Down 800V 1.25 mm² 800V/16A 600V/10A BNDE15W BNC230</p>
Unit Price		116.-
<p>BND15LW</p>       <p>(Package Quantity 25 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate Dust Cover</p>	<p>Touch-Down 800V 2 mm² 800V/21A 600V/15A BNDE15LW BNC230</p>
Unit Price		116.-




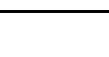
BN-W/BNH-W Series Terminal Blocks

<p>BNDH15W</p>       <p>(Package Quantity 25 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate</p>	<p>Touch-Down 800V 1.25 mm² 800V/16A 600V/10A BNDE15W BNC230</p>
<p>Unit Price</p>		<p>163.-</p>
<p>BNDH15LW</p>       <p>(Package Quantity 25 pcs.)</p>	<p>Style Insulation Voltage Wire Size JIS Rating UL/CSA Rating End Plate</p>	<p>Touch-Down 800V 2 mm² 800V/21A 600V/15A BNDE15LW BNC230</p>
<p>Unit Price</p>		<p>163.-</p>

Accessories (End Plate)

End Plate	Applicable Terminal Blocks	Package Quantity	Part No.	Unit Price
  	BN10W, BNH10W	10	BNE15W	18.-
	BN15MW, BNH15MW			
	BN15LW, BNH15LW			
	BN15MWT, BNH15MWT		BNE30W	28.-
	BN15LWT, BNH15LWT			
	BN30W, BNH30W			
	BN50W, BNH50W		BNE75W	41.-
	BN75W			
	BN150W, BN150NW			
	BND15W, BND15WT		BNDE15W	71.-
	BNDH15W, BNDH15WT			
	BND15LW, BNDH15LW			
BND15LW, BNDH15LW	BNDE15W2	71.-		
	BNDE15LW			
		BNDE15LW2		

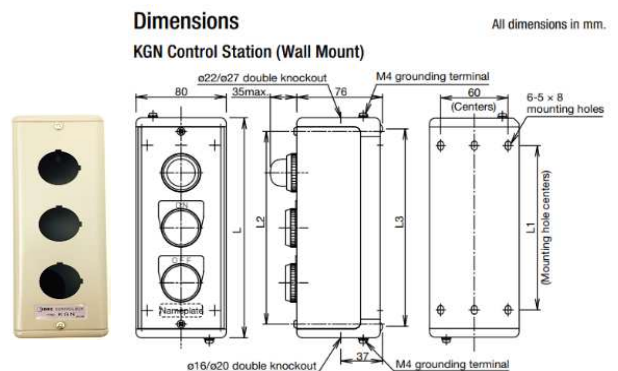
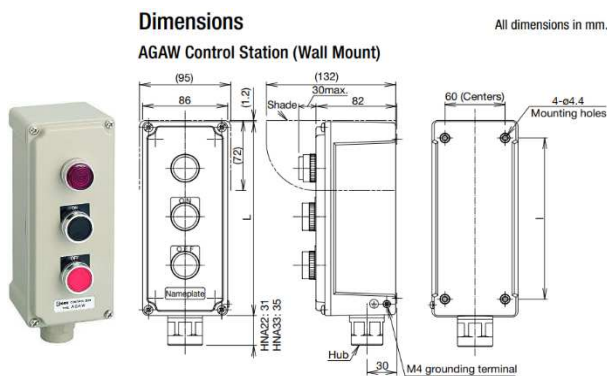
Accessories (Dust Cover / Marking Strip / Mounting Clip / Rail)

Part Name	Applicable Terminal Blocks	Part No.	Unit Price
	BA111T, BA211T,	BNC220	464.-
	BA311T, BN15MW, BNH15MW, BN15LW, BNH15LW, BN30W, BNH30W, BND15W, BNDH15W, BND15LW	BNC230	
	BA411S, BN50W, BNH50W	BNC320	580.-
	BN75W	BNC420	707.-
	BA611S, BA711S, BN150W, BNT20	BNC520	742.-
	BA811S	BAC820	1,089.-
	Dust Cover (500mm)	BA911S	BNC92
Marking Strip	BA Series, BN/BNH Series	BNM7	42.-
Mounting Clip	BAA1000	BNL5	28.-
		BNL6	
Aluminum DIN Rail	BA Series, BN/BNH Series	BAA1000	511.-
Jumpers	 	BN10W, BNH10W	46.-
			BNJ16FB
	 	BN15MW, BNH15MW, BND15W, BNDH15W	46.-
			BNJ26FWB

AGA Series / AGAW Series Control Station

IP65 Waterproof Aluminum Control station for $\phi 30\text{mm}$ & $\phi 22\text{mm}$ Switches/Pilot Lights

Mounting Hole Description	No. of Holes	Weight (Approx.)	Dimension		Part No.	Unit Price
			L (mm)	I (mm)		
$\phi 30\text{mm}$	1	0.6 kg	150	114	AGA211Y	4,043.-
$\phi 30\text{mm}$, mounting centers 50mm	2				AGA212Y	
$\phi 30\text{mm}$, mounting centers 50mm	3	0.7 kg	200	164	AGA311Y	4,611.-
$\phi 30\text{mm}$, mounting centers 50mm	4	0.9 kg	300	264	AGA411Y	6,510.-
$\phi 30\text{mm}$, mounting centers 50mm	5				AGA511Y	7,297.-
$\phi 22\text{mm}$	1	0.6 kg	150	114	AGAW211Y	4,287.-
$\phi 22\text{mm}$, mounting centers 50mm	2				AGAW212Y	
$\phi 22\text{mm}$, mounting centers 50mm	3	0.7 kg	200	164	AGAW313Y	4,878.-
$\phi 22\text{mm}$, mounting centers 36mm	4				AGAW314Y	5,596.-
$\phi 22\text{mm}$, mounting centers 50mm	5	0.9 kg	300	264	AGAW514Y	6,510.-
$\phi 22\text{mm}$, mounting centers 50mm					AGAW515Y	



KGN Series / KGNW Series Control Station

IP40 Enclosed steel Control Station for $\phi 30\text{mm}$ & $\phi 22\text{mm}$ Switches/Pilot Lights

Mounting Hole Description	No. of Holes	Weight (Approx.)	Dimension				Part No.	Unit Price
			L	L1	L2	L3		
$\phi 30\text{mm}$	1	0.4 kg	100	50	75	80	KGN111Y	951.-
$\phi 30\text{mm}$, mounting centers 50mm	2	0.5 kg	150	100	125	130	KGN211Y	1,078.-
$\phi 30\text{mm}$, mounting centers 50mm	3	0.6 kg	200	150	175	180	KGN311Y	1,263.-
$\phi 30\text{mm}$, mounting centers 50mm	4	0.7 kg	250	200	225	230	KGN411Y	1,484.-
$\phi 30\text{mm}$, mounting centers 50mm	5	0.8 kg	300	250	275	280	KGN511Y	1,727.-
$\phi 22\text{mm}$	1	0.4 kg	100	50	75	80	KGNW111Y	951.-
$\phi 22\text{mm}$, mounting centers 50mm	2	0.5 kg	150	100	125	130	KGNW212Y	1,078.-
$\phi 22\text{mm}$, mounting centers 50mm	3	0.6 kg	200	150	175	180	KGNW313Y	1,263.-
$\phi 22\text{mm}$, mounting centers 36mm	4						KGNW314Y	1,414.-
$\phi 22\text{mm}$, mounting centers 50mm	5	0.7 kg	250	200	225	230	KGNW414Y	1,494.-
$\phi 22\text{mm}$, mounting centers 50mm							KGNW515Y	1,472.-

FB series Plastic Control Stations

- IP65 lightweight control stations for Ø22mm control units.
- See website for details on approvals and standards.



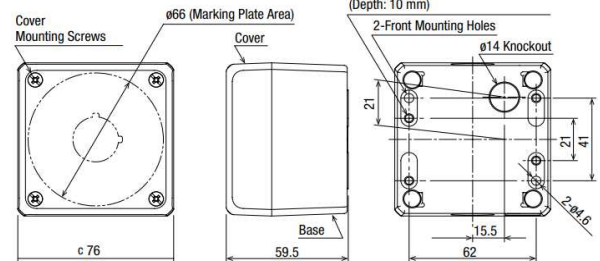
Specifications

Applicable Standard	IEC/EN60529
	UL508
	UL50
	CSA C22.2 No. 14
	CSA C22.2 No. 94
Standard Operating Conditions	Ambient temperature: -25 to +60°C (no freezing)
	Relative humidity: 45 to 85%RH (no condensation)
	Storage temperature: -40 to +80°C (no freezing)
	Degree of pollution: 3
Degree of protection	IP65 (when IP65 switches/pilot light are installed)
	NEMA Type 4X Indoor Use Only (when Type 4X switches/pilot light are installed)
Electric Shock Protection	Class II (when class II switches/pilot light are installed)
Material	Box cover / box base: polycarbonate (UL94-0)
	Box cover mounting screw: stainless
Applicable Switches/Pilot Lights	IDEC'S HW/TW/XW/YW series and accessories
Weight (approx.)	76mm: 125g (FB1W-111Y)
	140mm: 184g (FB2W-211Z)
	200mm: 143g (FB3W-311Z)

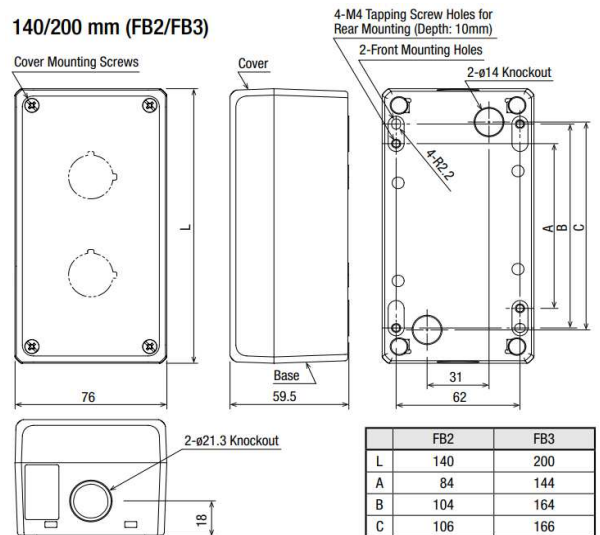


Dimensions

76 mm (FB1)



140/200 mm (FB2/FB3)



Switch/Pilot Light Mounting Hole Centers

Model	76mm	140mm		200mm		
		2 mounting holes	3 mounting holes	3 mounting holes	4 mounting holes	5 mounting holes
Shape						

Enclosures

Size	No. of Holes	Mounting Hole Description	Cover Color	Part No.	Unit Price
76mm	1	Ø22mm	Yellow (2.5Y8/10)	FB1W-111Y	985.-
			Light beige (Munsell 5Y7/1 or equivalent)	FB1W-111Z	
140mm	2	Ø22mm, mounting center 50mm	Light beige (Munsell 5Y7/1 or equivalent)	FB2W-211Z	1,519.-
	3	Ø22mm, mounting center 30mm		FB2W-312Z	
Ø22mm, mounting center 50mm		FB3W-311Z		2,063.-	
200mm		4			Ø22mm, mounting center 36mm
	5	Ø22mm, mounting center 30mm		FB3W-512Z	

- Enclosure base color: Black (Munsell N1.5 or equivalent)
- Flame-resistant (UL94V-0)

YB_Series Plastic Control Boxes

Plastic control boxes with IP65 protection

Also available with YW_Series emergency stop switches



Specifications

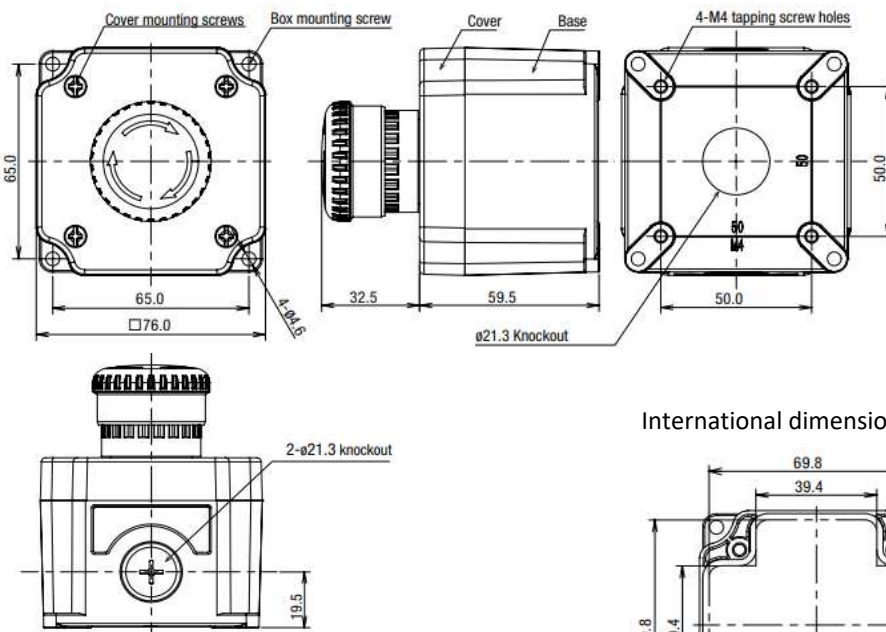
Applicable standard	IEC60529, GB/T 14048.5 (control boxes with switches only)
Operating temperature	-25 to +60°C
Storage temperature	-40 to +80°C
Relative humidity	95%RH max
Protective structure	IP65 (when installed with compatible models)
Electric shock protection	Class II
Material	Box cover / Box base: Polycarbonate
	Box cover mounting screws : Iron (zinc plated)
Applicable Model	YW / HW / TW / XW
Weight (approx)	100g (YB1W-111Y box only)



ø22 switches & pilot lights can be mounted on the control box



Dimensions (YW Series with emergency stop switch)

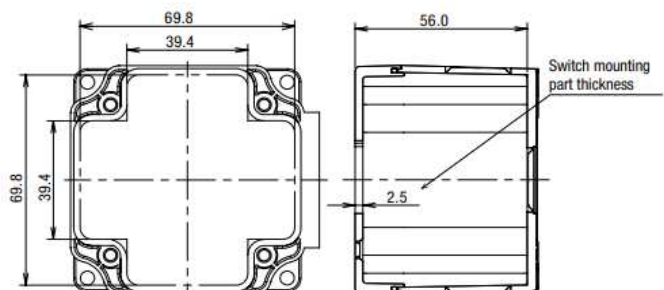


Easy to install

Mounting holes are located on the sides so that the box can be mounted without opening the box cover



International dimensions



YB Series Control Boxes

Box size	No. of holes	Mounting hole specifications	Cover color (Base color : Black)	Part No.	Unit Price
76mm	1	ø 22mm	Yellow : Munsell 2.5Y8/10	YB1W-111Y	597.-
			Light beige : Munsell 5Y7/1	YB1W-111Z	