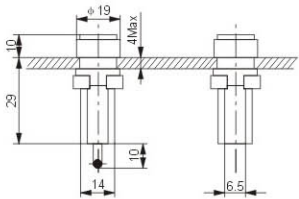
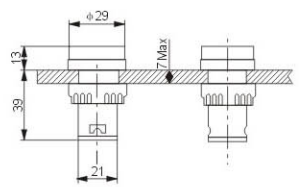
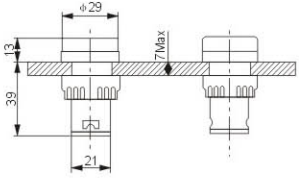
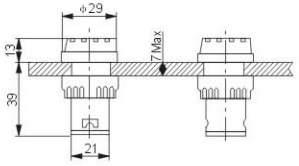
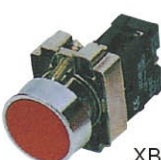
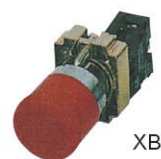
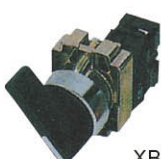
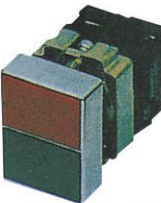


Control and Signal units AD58 16mm 22mm

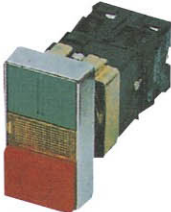
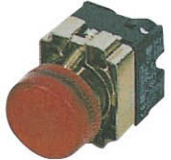
LED Pilot Light (ten pieces as a sale unit)					
	Description	Supply Voltage	Color	Model	Appearance Dimension
 AD58B-16	LED. economical pilot light, fixing dimension $\phi 16$ LED>100000 hours	12V~240V 50/60Hz	○White	AD58B-161	
			●Green	AD58B-163	
			●Red	AD58B-164	
			●Yellow	AD58B-165	
			●Blue	AD58B-166	
 AD58B-22	LED. economical pilot light, fixing dimension $\phi 16$ LED>100000 hours	12V~240V 50/60Hz	○White	AD58D-161	
			●Green	AD58D-163	
			●Red	AD58D-164	
			●Yellow	AD58D-165	
			●Blue	AD58D-166	
 AD58C-22	LED. economical pilot light, fixing dimension $\phi 22$ LED>100000 hours	12V~400V 50/60Hz	○White	AD58B-221	
			●Green	AD58B-223	
			●Red	AD58B-224	
			●Yellow	AD58B-225	
			●Blue	AD58B-226	
 AD58D-22	LED. economical pilot light, fixing dimension $\phi 22$ LED>100000 hours	12V~400V 50/60Hz	○White	AD58C-221	
			●Green	AD58C-223	
			●Red	AD58C-224	
			●Yellow	AD58C-225	
			●Blue	AD58C-226	
 AD58E-22	LED. economical pilot light, fixing dimension $\phi 22$ LED>100000 hours	12V~400V 50/60Hz	○White	AD58D-221	
			●Green	AD58D-223	
			●Red	AD58D-224	
			●Yellow	AD58D-225	
			●Blue	AD58D-226	
 AD58F-22	LED. economical pilot light, fixing dimension $\phi 22$ LED>100000 hours	12V~400V 50/60Hz	○White	AD58E-221	
			●Green	AD58E-223	
			●Red	AD58E-224	
			●Yellow	AD58E-225	
			●Blue	AD58E-226	
	LED. economical pilot light, fixing dimension $\phi 22$ LED>100000 hours	12V~400V 50/60Hz	○White	AD58F-221	
			●Green	AD58F-223	
			●Red	AD58F-224	
			●Yellow	AD58F-225	
			●Blue	AD58F-226	

XB2 Pilot Light & Pushbutton

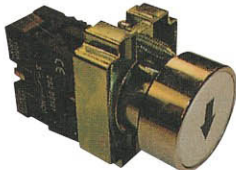
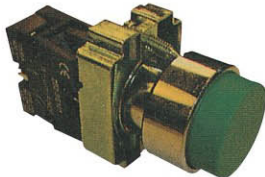
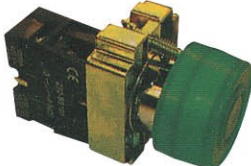
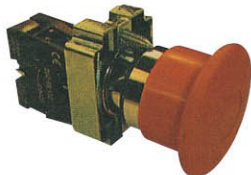
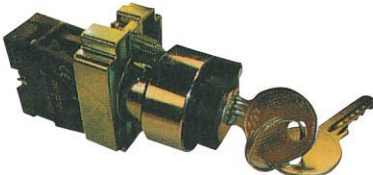
 XB2-EV164  XB2-EA131  XB2-BA42  XB2-BS442  XB2-BR42  XB2-BJ21  XB2-BD21	Description	Supply		Supply voltage	Color	Reference
	Connected with light light-included	SA9s	direct cornection BA 9s light(1)not supply	250V 50/60Hz	Green Red Yellow Blue	XB2-EV163 XB2-EV164 XB2-EV165 XB2-EV166
	Description	Contact Type			Color	Reference
		N/O			Black Green	XB2-EV121 XB2-EV131
	Pushbutton spring return	N/C			Red	XB2-EV142
		N/C+N/O			Black Green Red	XB2-EV125 XB2-EV135 XB2-EV145
	Description	Contact Type			Color	Reference
	Flush	N/O			Black Green Yellow Blue	XB2-BA21 XB2-BA31 XB2-BA51 XB2-BA61
		N/C			Red	XB2-EA142
	Description	Contact Type	Diameter(mm)		Color	Reference
	Turn to release red	N/C	30			XB2-BS442
			40			XB2-BS542
			60			XB2-BS642
		N/C	40			XB2-BS142
	Description	Contact Type			Color	Reference
	Mushroom head 60mm	N/O			Black Green Yellow Blue	XB2-BR21 XB2-BR31 XB2-BR51 XB2-BR61
		N/C			Red	XB2-BR42
		Description	Contact Type	Operator handle		Reference
			N/O	Standard		XB2-BD21
		Long		XB2-BJ21		
	2 positions stay put	N/O+N/C	Standard		XB2-BD2	
			Long		XB2-BJ25	
	2 positions spring return from right to left	N/O	Standard		XB2-BD41	
			Long		XB2-BJ41	
	2 positions spring return from right to left	N/O+N/C	Standard		XB2-BD45	
			Long		XB2-BJ45	
	3 positions stay put	N/O+N/C	Standard		XB2-BD33	
			Long		XB2-BJ33	
	3 positions stay put 2 spring return	N/O+N/C	Standard		XB2-BD53	
Long			XB2-BJ53			

 XB2-BL8325	Description	Contact Type	Scheme	Degree of protection	Reference
	Without pilot light 1 flush green pushbutton 2 projecting red pushbutton	N/O+N/C	Unmarked	IP40	XB2-BL8325
				IP65	XB2-BL9325
			IO	IP40	XB2-BL8425
IP65				XB2-BL9425	

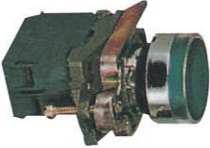
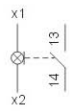
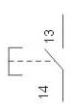
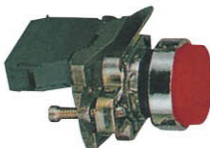
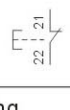
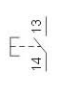
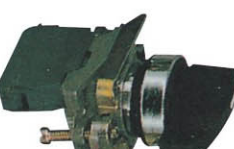
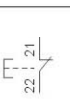
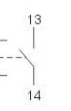
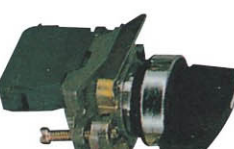
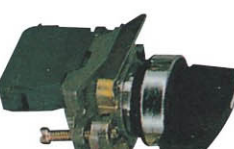
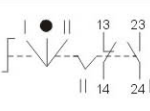
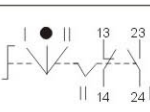
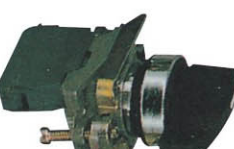
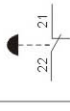
XB2 & XD2 Pilot Light & Pushbutton

	Description	Contact Type	Scheme	Degree of protection	Reference	
 XB2-BW8465	Without pilot light 1 flush green pushbutton 2 pilot with Yellow lens Direct supply 380V BA 9s bulb not included 1 projecting red pushbutton 1 flush green pushbutton 2 pilot with Yellow lens 220/250V supply diect throuth resistor BA 9s, 130V blud included 1 protecting red pushbutton 1 flush green pushbutton 2 pilot with Yellow lens 1.2VA-220V 50Hz supply viaintegral transfomer BA 9s, 130V blud included 1 protecting red pushbutton	N/O+N/C	Unmarked	IP40	XB2-BW8365	
			IO	IP40	XB2-BW8465	
		N/O+N/C	Unmarked	IP40	XB2-BW8375	
			IO	IP40	XB2-BW8475	
		N/O+N/C	Unmarked	IP40	XB2-BW8345	
			IO	IP40	XB2-BW8445	
 XB2-BV64		Supply	Supply voltage	Color	Reference	
		direct Bulb not supplied	<380V 50Hz	Green	XB2-BV63	
				Red	XB2-BV64	
Yellow				XB2-BV65		
 XB2-BV74		Direct thriygh resistor BA9s, 6V, bulb supplied	220V-240V 50Hz	Green	XB2-BV73	
	Red			XB2-BV74		
	Black			XB2-BV75		
	110V 50Hz		Green	XB2-BV33		
			Red	XB2-BV34		
			Yellow	XB2-BV35		
	Via integral transformer BA9s, 6V, supplied	220V-240V 50Hz	Green	XB2-BV43		
			Blue	XB2-BV44		
			Yellow	XB2-BV45		
		380V-415V 50Hz	Green	XB2-BV53		
			Red	XB2-BV54		
			Yellow	XB2-BV55		
Illuminated flush pushbuttons with N/O contact						
 XB2-BW3361	Direct Bulb not supplied	<380V 50Hz	Green	XB2-BW3361		
			Blue	XB2-BW3461		
			Yellow	XB2-BW3561		
	Direct thriygh resistor BA9s, 6V, bulb supplied	220V-240V 50Hz	Green	XB2-BW3371		
			Red	XB2-BW3471		
			Yellow	XB2-BW3571		
 XB2-BK2365	Description	Contact Type				
	2 Position stay put	N/C+N/O	XB2-BW2365			
			XB2-BW2465			
			XB2-BW2565			
			XB2-BW2665			
			XB2-BW2765			
	N/C+N/O	N/C+N/O	XB2-BW3365			
			XB2-BW3465			
			XB2-BW3565			
			XB2-BW3665			
			XB2-BW3765			
	N/C+N/O	N/C+N/O	XB2-BW5365			
			XB2-BW5465			
			XB2-BW5565			
			XB2-BW5665			
			XB2-BW5765			
	OPERATION POLE(OPERATION SHALF 54MM LENGTH)					
	Explain	contact top	the spring turn back nil position		type	
	operate pole (screw clamp terminal) 2 direction	1N/O	without		XD2-PA12	
contact point direction		with		XD2-PA12		
4 direction	1N/O	without		XD2-PA24		
	contact point direction	with		XD2-PA24		

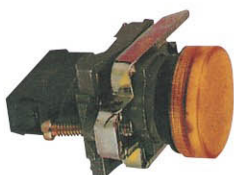
XB2 Pilot Light & Pushbutton

	Description	Contact Type	Color		Reference		
 XB2-BA3341	Flush	N/O	Green		XB2-BA3311 ZB2BZ101+ZB2BA331		
			White		XB2-BA3341 ZB2BZ101+ZB2BA334		
			Black		XB2-BA3351 ZB2BZ101+ZB2BA335		
		N/C	Red	O	XB2-BA4322 ZB2BZ102+ZB2BA432		
				Stop	XB2-BA4342 ZB2BZ102+ZB2BA434		
			Convex head	N/C	Red	O	XB2-BL4322 ZB2BZ102+ZB2BA432
				Stop	XB2-BL4342 ZB2BZ102+ZB2BA434		
	Description	Contact Type	Color		Reference		
	 XB2-BL31	Flush	N/O	Black		XB2-BL21 ZB2BZ101+ZB2BL2	
				Green		XB2-BL31 ZB2BZ101+ZB2BL3	
Yellow				XB2-BL51 ZB2BZ101+ZB2BL5			
Blue				XB2-BL61 ZB2BZ101+ZB2BL6			
Black				XB2-BL22 ZB2BZ102+ZB2BL2			
Red				XB2-BL42 ZB2BZ102+ZB2BL4			
Black				XB2-BC21 ZB2BZ101+ZB2BP2			
Green				XB2-BP31 ZB2BZ101+ZB2BP3			
Yellow				XB2-BP51 ZB2BZ101+ZB2BP5			
Blue				XB2-BP61 ZB2BZ101+ZB2BP6			
Red				XB2-BP42 ZB2BZ102+ZB2BP4			
Mushroom head ϕ 40mm				N/O	Black		XB2-BP21 ZB2BZ101+ZB2BC2
					Green		XB2-BC31 ZB2BZ101+ZB2BC3
					Yellow		XB2-BC51 ZB2BZ101+ZB2BC5
	Blue		XB2-BC61 ZB2BZ101+ZB2BC6				
	N/C	Red		XB2-BC42 ZB2BZ102+ZB2BC4			
		Explain	Contact	Keyposition removal		Reference	
 XB2-BP31	2 Position stay out	N/O	left		XB2-BG21 ZB2BZ101+ZB2BG2		
			left or right		XB2-BG41 ZB2BZ101+ZB2BG4		
		N/C+N/O	left		XB2-BG25 ZB2BZ105+ZB2BG2		
			left or right		XB2-BG45 ZB2BZ105+ZB2BG4		
 XB2-BC42	2 Spring return 2 Position stay out	N/O	left		XB2-BG61 ZB2BZ101+ZB2BG6		
		N/C+N/O	left or right		XB2-BG65 ZB2BZ105+ZB2BG6		
 XB2-BG21	3 Position stay out	N/O+N/O	center		XB2-BG33 ZB2BZ103+ZB2BG3		
			left or right		XB2-BG53 ZB2BZ103+ZB2BG5		
			center, left or right		XB2-BG03C ZB2BZ103C+ZB2BG0C		
					XB2-BG73C ZB2BZ103C+ZB2BG7C		
		N/O+N/O	center				

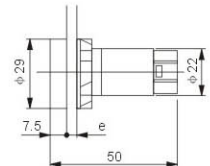
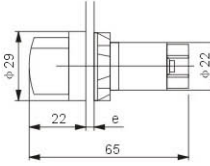
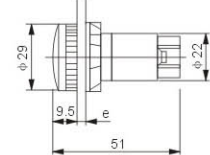
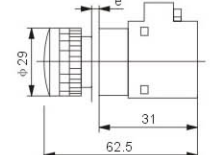
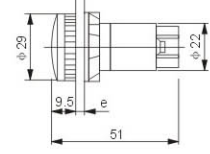
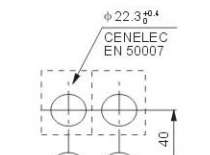
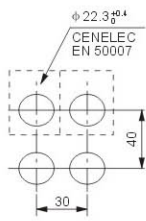
XB4-B Series

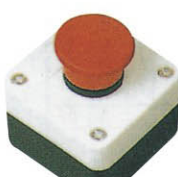
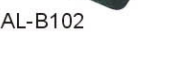
Illuminated flush pushbuttons with N/O contact					
 XB4-BW3361	Supply voltage	Scheme	Supply voltage	Colour	Reference
	Direct bulb supplied*		<380V 50Hz	Green	XB4-BW3361
				Red	XB4-BW3461
				Yellow	XB4-BW3561
 XB4-BA31	Description	Scheme	Contact type	Colour	Reference
	Flush		N/O	Black	XB4-BA21
				Green	XB4-BA31
				Yellow	XB4-BA51
 XB4-BL42			N/C	Blue	XB4-BA61
				Red	XB4-BA42
 XB4-BP31	Flush head with spring				
	Description	Contact type	Scheme	Color	Reference
	Raised model push button	N/O		Black	XB4-BL21C
				Green	XB4-BZ101C+XB2-BL2C
				Yellow	XB4-BL31C
				Blue	XB4-BZ101C+XB2-BL3C
 XB4-BD33				Black	XB4-BL51C
				Green	XB4-BZ101C+XB2-BL5C
				Yellow	XB4-BL61C
				Blue	XB4-BZ101C+XB2-BL6C
 XB4-BC42		N/C		Black	XB4-BL22C
				Green	XB4-BZ101C+XB2-BL2C
				Yellow	XB4-BL42C
				Blue	XB4-BZ101C+XB2-BL4C
 XB4-BR42	Description	Contact type	Scheme	Colour	Reference
	Booted	N/O		Black	XB4-BP21
				Green	XB4-BP31
				Yellow	XB4-BP51
 XB4-BJ33				Blue	XB4-BP61
				Red	XB4-BP42
 XB4-BD33	Description	Scheme	Contact	Operator handle	Reference
	3 positions stay out		N/O+N/O	Standard	XB4-BD33
				Long	XB4-BJ33
	3 positions stay out 2 pring return		N/O+N/O	Standard	XB4-BD53
 XB4-BJ33				Long	XB4-BJ53
	Description	Scheme	Contact type	Diameter	Colour
	(Mushroom head)		N/C	Φ 40	Red
			N/C	Φ 60	Red

XB4-B Series

		Pilot lights						
 XB4-BV65	Supply voltage	Scheme	Supply voltage	Colour	Reference			
	Direct Bulb supplied		<380V 50Hz	Green	XB4-BV63			
				Red	XB4-BV64			
				Yellow	XB4-BV65			
				Blue	XB4-BV66			
With function symbol, spring return								
Description	Contact type	Scheme	Color	Marking on	Reference	Weight		
Flush	N/O		Green		XB4-BL3311C	0.070		
			White	↑ & ↓	XB4-BZ101C+XB4-BA331C	0.070		
			Black	↑ & ↓	XB4-BL3351C	0.070		
					XB4-BZ101C+XB4-BA335C	0.070		
			N/C		Red	○	XB4-BL4322C	0.070
					Stop	XB4-BZ102C+XB4-BA432C	0.070	
	XB4-BZ102C+XB4-BA434C	0.070						
	Raised mode IN/C push button		Red	○	XB4-BL4342C	0.070		
					XB4-BZ102C+XB4-BL432C	0.070		
Stop					XB4-BL4342C	0.070		
XB4-BZ102C+XB4-BL432C	0.070							
		Contact type	Key position removal	Reference				
3 positions stay out		N/O+N/O	Center	XB4-BG33				
3 positions stay out			Left & Ringth	XB4-BG53				
Latching mushroom head "emergency stop" pushbuttons								
Push-pull Reset		N/C	φ 40	XB4-BT42				
		N/C	φ 30	XB4-BS442				
		N/C	φ 40	XB4-BS542				
		N/C	φ 60	XB4-BS642				
Key mushroom head		N/C	φ 40	XB4-BS142				
Selector switches								
Double-headed pushbutton, spring return								
Description	Contact type	Scheme	Marking on	Degree protection	Reference			
Without pilot light 1 flush green pushbutton 2 projecting red pushbutton	N/O + N/C		Unmarked	IP40	XB4-BL8325			
				IP65	XB4-BL9325			
			I	IP40	XB4-BL8425			
			O	IP65	XB4-BL9425			
 XB4-BL8425								

Control and Signal units 22mm (fixing)

Sb7 series-E22mm and 25mm Pilot Light (ten pieces as a sale unit)						
 SB7-EA42  SB7-EH31  SB7-EV44  SB7-EV06M	Description	Contact Type	Scheme	Color	Model	Appearance Dimension
	Pushbutton, spring-return	N/O		Blue	SB7-EA21	
		N/C		Green	SB7-EA31	
		N/O+N/C		Red	SB7-EA42	
	Pushbutton latching			Blue	SB7-EA25	
				Green	SB7-EA35	
				Red	SB7-EA45	
	Selector switch handle 2 position lock up	N/O		Black	SB7-EH21	
		N/C		Green	SB7-EH31	
		N/O+N/C		Red	SB7-EH42	
			Black	SB7-EH25		
			Green	SB7-EH35		
			Red	SB7-EH45		
		N/O		Yellow	SB7-EH55	
Power	Description	Supply Voltage	Color	Model	Appearance Dimension	
Direct connection	incandescence lamp(not supply) BA 9s fixing base	~250V	White	SB7-EV61		
			Green	SB7-EV63		
			Red	SB7-EV64		
			Yellow	SB7-EV65		
			Blue	SB7-EV66		
			Clean	SB7-EV67		
Direct connection BA 9s 220-240V supply bulb and regulator directly	neon (supply) BA 9s fixing base	~230V	White	SB7-EV41		
			Green	SB7-EV43		
			Red	SB7-EV44		
			Yellow	SB7-EV45		
			Blue	SB7-EV46		
			Clean	SB7-EV47		
With resistor	incandescence lamp 130V-2.6W (not supply) BA 9s fixing base	~230V	White	SB7-EV71		
			Green	SB7-EV73		
			Red	SB7-EV74		
			Yellow	SB7-EV75		
			Blue	SB7-EV76		
			Clean	SB7-EV77		
With resistor	incandescence lamp 6V-1.2VA (not supply) BA 9s fixing base	~230V ±6% ★	White	SB7-EV81		
			Green	SB7-EV83		
			Red	SB7-EV84		
			Yellow	SB7-EV85		
			Blue	SB7-EV86		
Integral LED direct connection supply bulb and regulator directly LED light include		~24V	Green	SB7-EV03B		
			Red	SB7-EV04B		
			Yellow	SB7-EV05B		
			Blue	SB7-EV06B		
		~120V -240V	Green	SB7-EV03M		
			Red	SB7-EV04M		
			Yellow	SB7-EV05M		
			Blue	SB7-EV06M		

START-STOP FUNCTION (LIGHT GREY LID WITH DARK GREY BASE)						
	Description	Scheme	Marking on legend	Marking on button	Reference	Weight(kg)
 XAL-B101H29	1 green flush pushbutton spring return	N/O + N/C 	Start	-	XAL-B101H29	0.120
			-		XAL-B102	0.120
			-	Start	XAL-B103	0.120
 XAL-B103	1 green flush pushbutton spring return	N/O 	Stop	-	XAL-B111H29	0.120
			-	Stop	XAL-B114	0.120
			-	○	XAL-B112	0.120
 XAL-B112	1 red mushroom head push button, φ 40mm, spring return	N/C	Emergency-stop		XAL-B164H29	0.120
 XAL-B116	1 red flush pushbutton spring return	N/C 	-	Stop	XAL-B116	0.120
Emergency stop functions (yellow lid with dark grey base)						
	Description	Scheme	Marking on legend	Marking on button	Reference	Weight(kg)
 XAL-B164H29	1 red mushroom head pushbutton, φ 40mm, latching Turn to release	N/C 	Unmarked		XAL-J174	0.14
 XAL-J174	1 red mushroom head pushbutton, φ 40mm, latching Key release(Key n° 445)	N/C 	Unmarked		XAL-J174	0.14
Emergency stop functions (yellow lid with dark grey base)						
	Description	Scheme	Marking on legend	Marking on button	Reference	Weight(kg)
 XAL-J184	1 red mushroom head pushbutton, φ 40mm, latching Turn to release		Unmarked		XAL-J178	0.14
 XAL-B102	1 red mushroom head pushbutton, φ 40mm, latching Key release(Key n° 445)		Unmarked		XAL-J188	0.17
Other versions		Use adaptable sub-assemblies: empty enclosures, contact blocks, signalling units, operators, legend plates(see pages 5/8 to 5/31)				

XAC Series pendant control stations

Pendant control stations  XAC-A271 NO XAC-A281 NO+NC	Pendant control stations  XAC-A2713 XAC-A2813 With Emergency Button	Pendant control stations  XAC-A291 Double Speed
Pendant control stations  XAC-A2913 With Emergency Button	Pendant control stations  XAC-A471 NO XAC-A481 NO+NC	Pendant control stations  XAC-A4713 XAC-A4813 With Emergency Button
Pendant control stations  XAC-A491 Double Speed	Pendant control stations  XAC-A4913 With Emergency Button	Pendant control stations  XAC-A671 NO XAC-A681 NO+NC
Pendant control stations  XAC-A6713 XAC-A6813 With Emergency Button	Pendant control stations  XAC-A691 Double Speed	Pendant control stations  XAC-A6913 With Emergency Button

XAC Series pendant control stations

Pendant control stations



XAC-A871 NO
XAC-A881 NO+NC

Pendant control stations



XAC-A8713
XAC-A8813 With Emergency Button

Pendant control stations



XAC-A891 Double Speed

Pendant control stations



XAC-A8913 With Emergency Button

Pendant control stations



XAC-A4923

Pendant control stations



XAC-A8923

Pendant control stations



XAC-A4913K

Pendant control stations



XAC-A1271

Pendant control stations



XAC-A205

Pendant control stations



XAC-A012

Pendant control stations



XEN-G1491

XEN-G1191

XAC-A009

Pendant control stations



XAC-A944

XAC-A942

XAC-A941

XAC-A943

COB, T Series pendant control stations

Pendant control stations  COB-C1	Pendant control stations  COB-C1T	Pendant control stations  COB-C2
Pendant control stations  COB-C3	Pendant control stations  COB-C4	Pendant control stations  COB-C1A
Pendant control stations  T-1	Pendant control stations  T-2S	Pendant control stations  T-2
Pendant control stations  T-3	Pendant control stations  T-1W	Pendant control stations  T-2W

COB, T Series pendant control stations

Pendant control stations



T-3W

Pendant control stations



COD-A

Pendant control stations



COD-D

Pendant control stations



TY-3A

Pendant control stations



TY-3D

Pendant control stations



TY-T

Pendant control stations



TY-C

Pendant control stations



COD-W

Pendant control stations



T-Z

Pendant control stations



COD-1

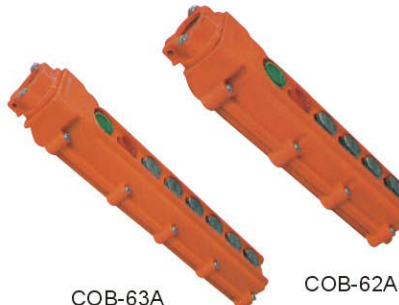
Pendant control stations



COB-63

COB-61

Pendant control stations



COB-63A

COB-62A

Wireless Radio Remote Controller



Features

- 1-Advance program design, quick & good performance on movements.
- 2-PA transmitter housing. water/shock/dust proof.
- 3-Single-row button transmitter, compact and lighter desing, ensure safe & convenient operation.
- 4-Random security code up to 4.2 biljions sets, each transmitter has own unique ID code.
- 5-Receiver with 4-LED, quick, simple judgement for operation status & after services.

Transmitter

Technical data:

Operation distance: 100M

Frequency: FM 433Mhz(20CH); FM 868Mhz(20CH)

Out put power:<10mW

Antenna: Internl type

Temparature: 0℃~+75℃(no battery inside)

Power supply: 1.5V(AA)*4pcs

Enclosure: IP64

Consumption: <17mA(stand by: <20mA)

Address code: 4.2 biljions sets

Weight: 235g (exctuding batteries)

Power-on steps:

- 1-Power on receiver.
- 2-Switch the power switch to ON, and turn on the mushroom.
- 3-Press any button and release, now EUOTRON is ready to operate(now receiver power LED lights GREEN).

Power-off steps:

- 1-Push down the mushroom.
- 2-Switch off transmitter power to cut off the power.

Transmitter

Technical data:

Sensitivity of RF: -110dBm 100M

Frequency: FM 433Mhz(20CH); FM 868Mhz(20CH)

Antenna: Internl type

Temparature: -10℃~+75℃

Source Voltage: AC48V/AC110V/AC220V/AC380V/AC415V, 50/60Hz

Enclosure: IP65

Consumption: <12W

Security Code: 4.2 billions sets

Weight: 700g (exctuding batteries)

KCD Series Switch



KCD1



KCD1-101A



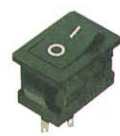
KCD1-101A1



KCD1-B



KCD1-101B



KCD1-101B27



KCD1-101B-2



KCD1-B3



KCD1-101B4



KCD1-102A



KCD1-102B3



KCD1-102B6



KCD1-102/NB



KCD1-102/NB2



KCD1-102/NB5



KCD1-103B2



KCD1-103B3



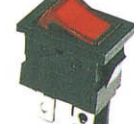
KCD1-103-T



KCD1-104



KCD1-104-1



KCD1-104/N



KCD1-105



KCD1-105N



KCD1-106/N



KCD1-108



KCD1-108/N-1



KCD1-110



KCD1-111



KCD1-115



KCD1-202



KCD1-203C-T



KCD2-101



KCD2-102N/C



KCD3-102C



KCD3-102/NA2



KCD3-102/NB2-1



KCD3-102/NC-1



KCD3-102/NC-1



KCD3-102/NC-1



KCD3-103



KCD3-C3



KCD4-201A



KCD4-201C



KCD4-201C1



KCD5-202-2N



KCD4-201NC



KCD4-202/C1



KCD3-103



KCD3-C4



KCD4-201B



KCD4-201D



KCD4-201E1



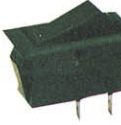
KCD5-202-1N



KCD4-202NC



KCD4-202/NC

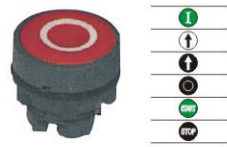


KCD101-101

Button Spare Parts



HB5-AA●



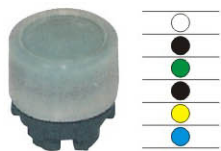
HB5-AA●●



HB5-AV●



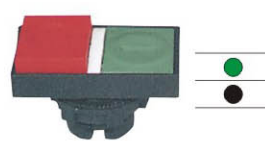
HB5-AL●



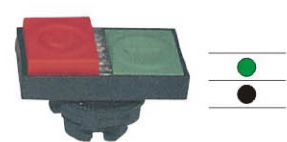
HB5-AP●



HB5-AW3●



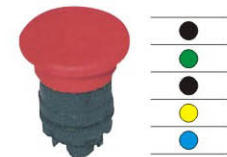
HB5-AL8●



HB5-AW8●



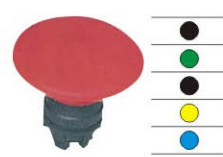
HB5-AT●



HB5-AS●●



HB5-AS1●



HB5-AR●



HB5-AC●



HB5-AD2●
HB5-AD3●



HB5-AJ2●
HB5-AJ3●



HB5-AG2●
HB5-AG3●



HB2-BE101



HB2-BE102



HB2-BZ009



HB2-BZ009



HB2-BV4



HB2-BV6



HBE101



HBE102



HBV-M



HBV-6



HB4-BZ009



HB5-EZ009



H22-K10



H22-K01



H22-A



HBV



HBP-22



HB37E

Universal Changeover Switch



GZ12-16A/01



GZ12-25A/02



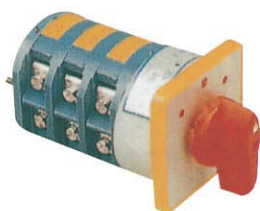
GZ12-25A/04



MK325E



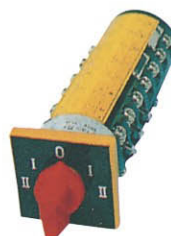
YMW26G5-20



GW5D-40



LW5D-25



GZ5B-10



GZ5BGS-10



GZ5BGS-20



RG-CS-3AC



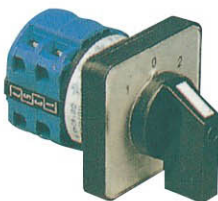
RG-CS-3VC



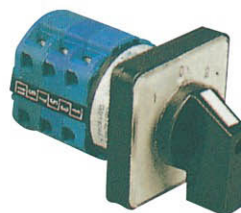
B9



GC10



GMW39-20



GMW39-20



QX1-13N1/5.5



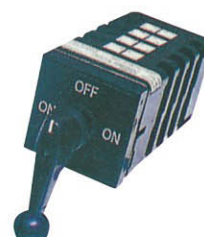
GK03-30.60



G3LB3-25A



G3LB4-40A



G3LB5-63A

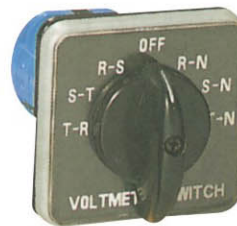
Universal Changeover Switch



RGC-01



RGC-02



RGC-03



RGC-04



RGC-05



RGC-06



RGC-07



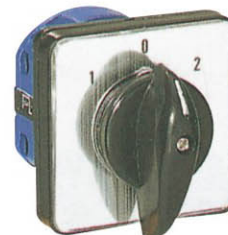
RGC-08



RGC-09



RGC-10



RGC-11



RGC-12



RGC-13



RGC-14



RGC-15



RGC-16

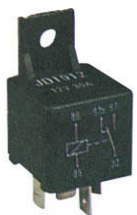
Super Timer Relay

Classification		Timer	Multirancetimer			Multirancetimer
Model		AH3-□	AH3	TH3	AH3-□□	AH3-N□
Appearance						
Dimesions		50H×40W×57.5D	50H×40W×57.5D	50H×40W×57.5D	50H×40W×57.5D	61H×49W×70D
Mouniting & socket	surface(-N)	PF085A	PF085A	PF085A	PF085A	PF083A
	flush(-Y)		US-08	US-08	US-08	
Full timing range		SEC:1,3,6,12,30,60 MIN:3,6,12,30,60 HR:3,6,2,24	A:1S,10S,1M,10M B:3S,30S,3M,30M C:6S,60S,6M,60M D:1M,10M,1H,10H E:3M,30M,3H,30H	A:1S,10S,1M,10M B:3S,30S,3M,30M C:6S,60S,6M,60M D:1M,10M,1H,10H E:3M,30M,3H,30H	A:1S,10S,1M,10M B:3S,30S,3M,30M C:6S,60S,6M,60M D:1M,10M,1H,10H E:3M,30M,3H,30H	A:1S,10S,1M,10M B:3S,30S,3M,30M C:6S,60S,6M,60M D:1M,10M,1H,10H E:3M,30M,3H,30H
Rated voltage		DC(V):12,24 AC(V):12,24,110,220,240,380,415,440,50/60Hz			DC(V):12,24 AC(V):12,24,110,220,240,380,415,440,50/60Hz	
Indicator operating		ON-UP operating ON-UP				Time operating flicker

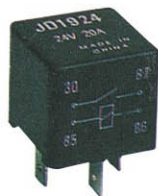
Timer	Timer	Timer	Timer	Timer
H3CR-A8	H3BA-□	ST2P	3T3P	3T4P-□
				
48H×48W×81.6D	48H×48W×81.6D	50H×40W×82D	55H×40.5W×82.5D	48H×48W×81.6D
P2CF-08	P2CF-08	PF-083A(E)	PF-083A(E)	PF113(E)
US-08	US-11	US-08	US-08	US-11
0.05SEC~300HRS	0.05SEC~300HRS	(SEC, MIN, HRS, 10HRS) ISE~30HRC	A:0.05-0.5s/5s/30s/3min B:0.1-1s/10s/60s/6min C:0.5-5s/50s/5min/30min D:1-10s/100s/100min/60min E:5-60s/10s/60min/6h F:0.25-2min/20min/2h/12h G:0.5-4min/40min/4h/24h	0.05SEC~100HRS
AC(V):100~240(50/60HZ) 12VDC, 240VDC/AC (50/60H) 24 to 240V DC/AC	24 to 240V DC/AC DC(V):12,24,48 AC(V):24,50,110,220	AC(V):12,24,110,220,240 380,440,50/60Hz DC(V):12~24(50/60Hz)	AC(V):24~220 DC(V):24~110(50/60Hz)	24 to 240V DC/AC DC(V):12,24,48 AC(V):24,50,100~240
Time operating flicker		ON, UP Operating		Time operating flicker

General Relay

Classification		Miniature power relay series		Miniature power relay series	
Model		JQX-10F(JTX)	JQX-10F(JTX)	RR2P	RR-3P
Appearance					
Dimensions(mm)		34.5×34.5×52	34.5×34.5×52	34.5×34.5×52	34.5×34.5×52
Contact form		2Z	3Z	2Z	3Z
Contact capacity		10A 250V AC		10A 220V AC	
Coil voltage	DC	6~220V		6~220V	
	AC	6~380V		6~380V	
Coil power		DC:≤1.5W AC:≤2.5VA		DC:≤2W AC:≤3.5VA	
Pick-up		DC:≤75% AC:≤80%		DC:≤75% AC:≤80%	
Drop-out		DC:≥10% AC:≥30%		DC:≥10% AC:≥30%	
Contact resistance		≤50m Ω		≤50m Ω	
Insulation resistance		≥100m Ω		≥100m Ω	
Life	Electrical	10 ⁵ times		10 ⁵ times	
	Mechanical	10 ⁷ times		10 ⁷ times	
Dielectric strength	Between open contacts	1500V rms		1500V rms	
	Between coil & contact				
Mounting form		Socket		Socket	
Operating temperature		-40℃~+55℃		-40℃~+55℃	
Weight		About 85g	About 85g	About 85g	About 85g



JD1912F



JD1912



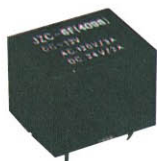
JZC-22F(T73)



4123



LLR1-01



4098



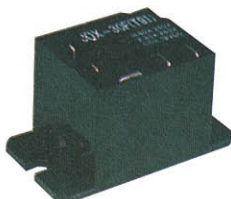
JQX-14F-1□



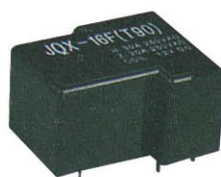
JQX-14F-2□



JQX-30F(T91)



JQX-30FA



JQX-16F(T90)



G7L-



AJQ1

Super Timer Relay

Classification	float less relay	float less relay	float less relay	float less relay	float less relay
Model	AFR-1	PM61F-GR	AFS-GR	61F-G	61F-G1
Appearance					
Dimesions(mm)	61H×49W×70D	50H×40W×57.5D	50H×40W×57.5D	79.5H×84W×127D	79.5H×135W×127D
Socket type	PF083A	PF083A	PF083A	--	--
Sensing mode	General	AFR-1	--	61F-G	61F-G1
	High sensing	AFR-1H	--	--	--
	Long distance	AFR-1L	--	--	--
	Low density	AFR-1D	--	--	--
	Two lines	AFR-1R	AFS-GR	--	--
Rated voltage	AC: 110V,220V,240V,50/60Hz			AC: 110V,220V,240V,50/60Hz	
Indicator operating	Two LED's use for two status			Two LED's use for two status	
Operate voltage	85~110% of rated voltage			85~110% of rated voltage	
Second voltage	8VAC (except high sensing 240VAC)			8VAC (except high sensing 240VAC)	
Operate resistance	4KΩ min. (GENERAL)			4KΩ min. (GENERAL)	
Release resistance	15KΩ min. (GENERAL)			15KΩ min. (GENERAL)	
Response time	Operate: 80 msec max. Release:160 msec max.			Operate: 80 msec max. Release:160 msec max.	
Contact rating	5A,250VAC(RESISTIVELOAD)			5A,250VAC(RESISTIVELOAD)	
Length of cable	1kmmax. (GENERAL)			1kmmax. (GENERAL)	
Life	Mechanical	5×106 times min			5×106 times min
	Electrical	105 times min			105 times min
Insulation resistance	1000mΩ (DC 500V) min			1000mΩ (DC 500V) min	
Dielectric strength	1500VAC, 50/60Hz, for 1 minute			1500VAC, 50/60Hz, for 1 minute	
Consumed power	3.2VA			3.2VA	
Ambient temperature	-10℃~+55℃			-10℃~+55℃	
Ambient humidity	-45~85%RH			-45~85%RH	
Weight	200g	150g	150g	380g	750g
Connection diagrams	21B	21B	21C	21D	21E

Timer	
AHC8A	AHC8
	
50×100×66	48×48×95
Per week or per day cycle	
AC 22V 50/60Hz 85%~110%	
12A AC250V	

≤1S/DAY	

Front-panel, rig	Front-panel, rig, orbital fixing
≤5×10 ⁵ times	

9 time/week or day	

Classification	rev, preventing relay	rev, preventing relay
Model	APR-3	JVM-1
Appearance		
Dimesions	50H×40W×57.5D	61H×49W×70D
Mounting & socker	surface(-n)	PF083A
	surface(-n)	US-08
functions	Protecting threephase induction motor reverse relay 220V source with surge absorber and high voltage protecting	
Rated voltage	AC(V):220,240,380,415,440,50/60Hz	
Indicator operating	----	
Output contact	model	APR-3
	time limit	10A
Life	mechanical	5×106 times
	electrical	105 times
setting error	----	
reset time	----	
consumed power	2VA	
ambient temperature	-10℃~+55℃	
ambient huminity	48~85%RH	
weight	90	
connection diagrams & timing chart	21A	21F

Super Timer Relay

Classification		Timer		Timer	
Model		ASTP-N	ASTP-Y	AH2-N	AH2-Y
Appearance					
dimensions		61H×49W×70D	88H×58W×69D	61H×49W×70D	88H×58W×68D
mounting & socker	surface(-N)	PF083A		PF083A	
	flush(-Y)		US-08		US-08
full timing range		SEC:1,3,6,12,30,60 MIN:3,6,12,30,60 HR:3,6,12,24		SEC:1,3,6,12,30,60 MIN:3,6,12,30,60 HR:3,6,12,24	
rated voltage		DC(V):12,24 AC(V):12,24,110,220,240,380,415,440,50/60Hz		DC(V):12,24 AC(V):12,24,110,220,240,380,415,440,50/60Hz	

Twin timer		Digital timer				
ATDV-N		ASDV-Y	ASY-2D	ASY-3D	H3Y-□(ST6P)	
						
61H×49W×70D		88H×58W×68D	88H×58W×68D	88H×58W×68D	26H×21W×52.6D	
PF083A		PF083A	PF083A	PF083A	PYF08A(E)	PYF14A(E)
		US-08		US-08		
6S×6S,6S×60S,60S×6S, 60S×60S,6M×6M 6M×6M,6M×6M,6M×6M, Longest time 12 Hours upon clients' request		6S×6S,6S×60S,60S×6S, 6S×60S,6M×60M 6M×6M,6M×6M,6M×6M, Longest time 12 Hours upon clients' request	SEC:9,9,99 MIN:9,9,99 HR:9,9,99	SEC:9,99,99,9,999 MIN:99,9,999 HR:99,9,999	SEC:1,3,5,10,30,60,120 MIN:3,5,10,30,60 HR:3	
DC(V):12,24 AC(V):12,24,110,220,240, 380,415,440,50/60Hz		DC(V):12,24 AC(V):12,24,110,220,240, 380,415,440,50/60Hz	DC(V):12,24 AC(V):12,24,110,220,240,380,415,440,50/60Hz		DC(V):12,24 AC(V):12,24,110,220,240, 380,415,440,50/60Hz	

Relay Socket



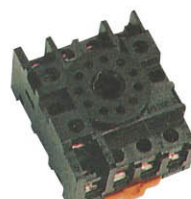
PF083A



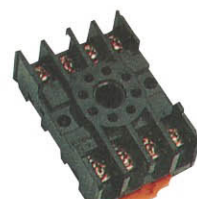
PF083A-E



PF113A



PF113A-E



PF085A



PTF08A



PTF08A-E



PYF08A



PYF08A-E



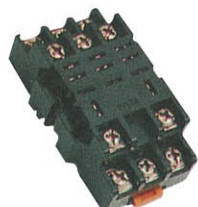
PYF11A



PYF14A



PYF14A-E



PYF11A



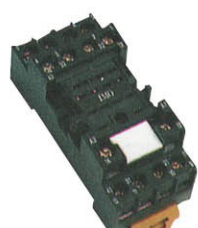
PTF14A



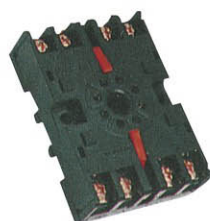
PTF14A-E



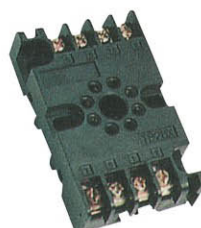
PYF14.5A



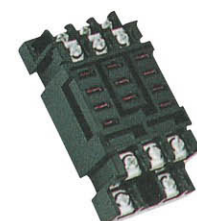
PMF-14



P2CF-08



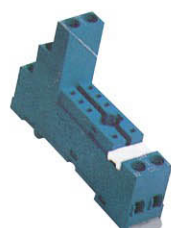
TP28X



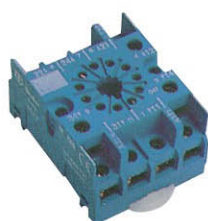
JQX-38F SOCKET



PSF-08AE



PSF-14AE



TYPE90.27



TYPE94.74



TYPE90.21



US-11



US-08



PT-08A



PY-14A



PY-08A

Alarm Bell



EBL-5502(UC4-55mm)



EBL-5501(UC4-55mm)



EBL-1504(CB-6)



EBL-2204(CB-8)



EBL-2504(CB-10)



EBL-7501
(UC4-75mm)



EBL-1001
(UC4-100mm)



EBL-1501
(UC4-150mm)



EBL-2001
(UC4-200mm)



EBL-2501
(UC4-250mm)



EBL-3001
(UC4-300mm)



EBL-7502
(UC4-75mm)



EBL-1002
(UC4-100mm)



EBL-1502
(UC4-150mm)



EBL-2002
(UC4-200mm)



EBL-2502
(UC4-250mm)



EBL-3002
(UC4-300mm)

Brushless DC fan ETFS4010 series

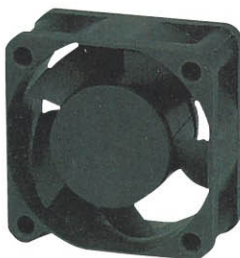
Technical parameter



Dimension (mm)	Model	Voltage (VAC)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Pressure (Inch/H ₂ O)	Noise (dBA)	Weight (Gram)
40×40×10	ETFS4010L	12V	0.07	0.84	5000	3.67	1.98	22.43	15
	ETFS4010M	12V	0.08	0.96	6000	4.65	2.73	27.23	15
	ETFS4010H	12V	0.09	1.08	7000	5.46	3.55	31.83	15
	ETFS4010L	24V	0.06	1.44	5000	3.67	1.98	22.43	15
	ETFS4010M	24V	0.07	1.68	6000	4.65	2.73	27.23	15
	ETFS4010H	24V	0.09	2.16	7000	5.46	3.55	31.83	15

Brushless DC fan ETFS4015 series

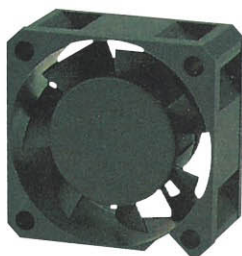
Technical parameter



Dimension (mm)	Model	Voltage (VAC)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Pressure (Inch/H ₂ O)	Noise (dBA)	Weight (Gram)
40×40×15	ETFS4015L	12V	0.08	0.96	4000	6.60	3.90	30.3	20
	ETFS4015M	12V	0.10	1.20	7000	7.96	5.10	31.6	20
	ETFS4015H	12V	0.12	1.44	8000	9.10	6.95	39.5	20
	ETFS4015L	24V	0.08	1.92	6000	6.60	3.90	30.3	20
	ETFS4015M	24V	0.10	2.40	7000	7.96	5.10	31.6	20
	ETFS4015H	24V	0.12	2.88	8000	9.10	6.95	39.5	20

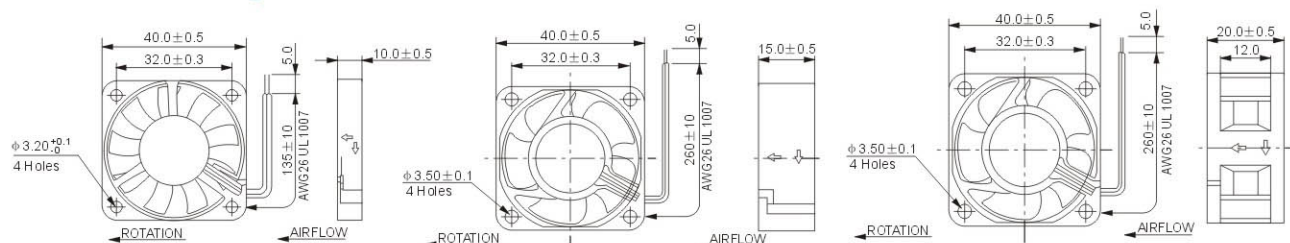
Brushless DC fan ETFS4020 series

Technical parameter



Dimension (mm)	Model	Voltage (VAC)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Pressure (Inch/H ₂ O)	Noise (dBA)	Weight (Gram)
40×40×20	ETFS4020L	12V	0.08	0.96	4000	4.86	1.63	30.3	18
	ETFS4020M	12V	0.09	1.08	5000	6.81	2.56	31.6	18
	ETFS4020H	12V	0.10	1.80	6000	7.56	3.38	39.5	18
	ETFS4020L	24V	0.07	1.68	4000	4.86	1.63	30.3	18
	ETFS4020M	24V	0.08	1.92	5000	6.81	2.56	31.6	18
	ETFS4020H	24V	0.09	2.16	6000	7.56	3.38	39.5	18

Outline Drawing



Brushless DC fan ETFS4510 series

Technica iparameter



Dimension (mm)	Model	Voltage (VAC)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Pressure (Inch/H ₂ O)	Moise (dBA)	Weight (Gram)
45×45×10	ETFS4510L	12V	0.08	0.96	4000	4.86	1.63	22.70	18
	ETFS4510M	12V	0.09	1.08	5000	6.81	2.56	27.83	18
	ETFS4510H	12V	0.10	1.80	6000	7.56	3.38	32.56	18
	ETFS4510L	24V	0.07	1.68	4000	4.86	1.96	22.43	18
	ETFS4510M	24V	0.08	1.92	5000	6.81	2.56	27.23	18
	ETFS4510H	24V	0.09	2.16	6000	7.56	3.38	31.83	18

Brushless DC fan ETFS5010 series

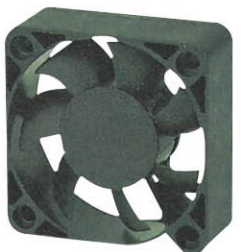
Technica iparameter



Dimension (mm)	Model	Voltage (VAC)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Pressure (Inch/H ₂ O)	Moise (dBA)	Weight (Gram)
50×50×10	ETFS5010L	12V	0.07	0.84	4000	7.80	1.80	25.12	19
	ETFS5010M	12V	0.08	0.96	4500	8.66	2.25	27.06	19
	ETFS5010H	12V	0.10	1.20	5000	10.06	2.63	29.08	19
	ETFS5010L	24V	0.06	1.44	4000	7.80	1.80	25.21	19
	ETFS5010M	24V	0.07	1.68	4500	8.66	2.25	27.06	19
	ETFS5010H	24V	0.10	2.40	5000	10.06	2.63	29.08	19

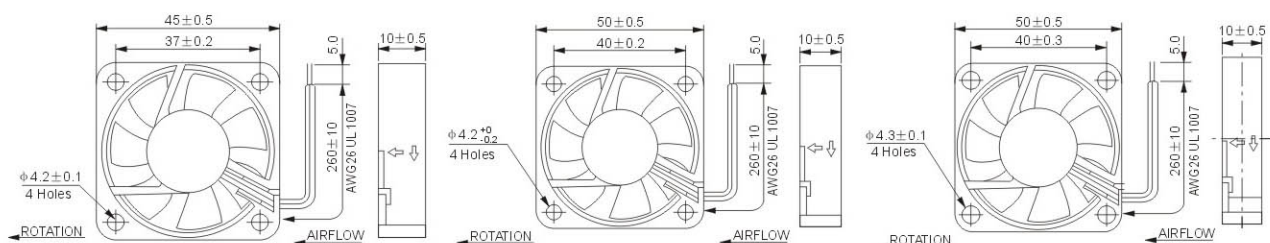
Brushless DC fan ETFS5015 series

Technica iparameter



Dimension (mm)	Model	Voltage (VAC)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Pressure (Inch/H ₂ O)	Moise (dBA)	Weight (Gram)
50×50×15	ETFS5015L	12V	0.09	1.08	4000	16.00	2.13	26.31	28
	ETFS5015M	12V	0.10	1.32	4500	17.13	2.87	27.82	28
	ETFS5015H	12V	0.14	1.68	5000	18.50	3.69	30.80	28
	ETFS5015L	24V	0.09	2.16	4000	16.00	2.13	26.31	28
	ETFS5015M	24V	0.11	2.64	4500	17.13	2.87	27.82	28
	ETFS5015H	24V	0.14	3.36	5000	18.50	3.69	30.80	28

Outine Drawing



Axial AC fan E145FZY series

Technical parameter



Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Moise (dBA)	UF/VDB	Weight (Gram)
172×152×39	E145FZY2-S	220	50	0.13	27	2400	4.1	22	CBB22 IUF/400V	700
	E145FZY2-S	220	50	0.15	30	2600	4.6	24	CBB22 IUF/400V	700
	E145FZY3-S	380	50	0.10	26	2400	4.1	22	CBB21 334J630V	700
	E145FZY3-S	380	50	0.12	30	2600	4.6	24	CBB21 334J630V	700

Axial AC fan E150FZY series

Technical parameter



Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Moise (dBA)	UF/VDB	Weight (Gram)
150×160×60	E150FZY2-D	220	50	0.16	30	2600	5.1	62	1.0/400V	900
	E150FZY2-D	220	50	0.19	40	2800	6.2	65	1.0/400V	900
	E150FZY4-D	380	50	0.10	30	2600	5.1	62	Phase	900
	E150FZY4-D	380	50	0.12	40	2800	6.2	65	Phase	900

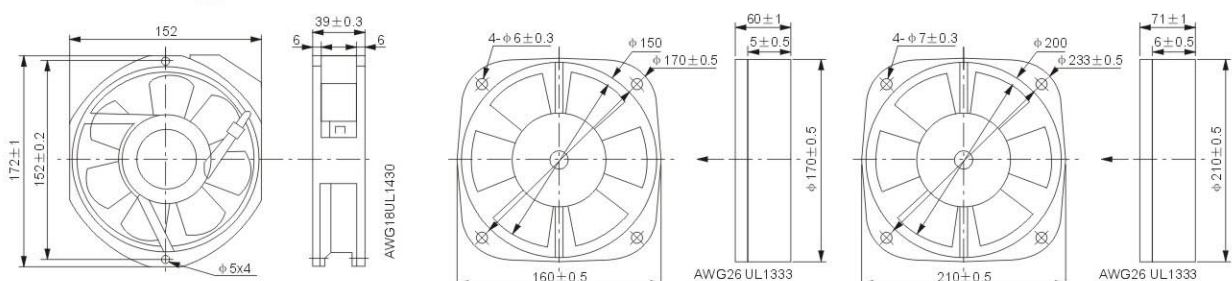
Axial AC fan E200FZY series

Technical parameter



Dimension (mm)	Model	Voltage (VAC)	Frequency (Hz)	Current (AMP)	Power (Watts)	Speed (RPM)	Air Flo (CFW)	Moise (dBA)	UF/VDB	Weight (Gram)
200×200×71	E200FZY2-D	220	50	0.25	50	2300	4.8	60	CBB22 IUF/400V	1650
	E200FZY2-D	220	50	0.30	65	2650	13.6	68	CBB22 IUF/400V	1650
	E200FZY4-D	380	50	0.16	50	2300	4.8	60	Phase	1650
	E200FZY4-D	380	50	0.18	65	2650	13.6	68	Phase	1650

Outline Drawing



Esfa pipe type technical parameter



Dimension(mm)	Speed(RPM)	Air Flo(m³/h)	Pa	Power(Watts)	Moise(dBA)
ESFG2-4	1450	600	20	0.06	57
ESFG2.5-2	2800	2100	215	0.25	65
ESFG2.5-2R	2800	2100	215	0.25	65
ESFG2.5-4	1450	1000	35	0.09	59
ESFG2.5-4R	1450	1000	35	0.09	59
ESFG3-2	2800	3000	230	0.37	68
ESFG3-2R	2800	3000	230	0.37	68
ESFG3-4	1450	2000	59	0.12	61
ESFG3-4R	1450	2000	59	0.12	61
ESFG4-2	2800	11000	270	1.50	75
ESFG4-2R	2800	11000	270	1.50	75
ESFG4-4	1450	5870	149	0.55	72
ESFG4-4R	1450	5870	149	0.55	72
ESFG5-4	1450	10000	200	0.75	74
ESFG5-4R	1450	10000	200	0.75	74
ESFG6-4	1450	18700	300	2.20	80
ESFG6-6	960	1300	180	1.10	75
ESFG7-4	1450	24500	350	3.00	85
ESFG7-6	960	21500	210	2.20	81
ESFG8-4	1450	37200	235	4.00	88
ESFG8-6	960	28000	196	2.20	82

Esfa wall type technical parameter



Dimension(mm)	Speed(RPM)	Air Flo(m³/h)	Pa	Power(Watts)	Moise(dBA)
ESFB2.5-4	1450	1000	35	0.09	59
ESFB2.5-4R	1450	1000	35	0.09	59
ESFB3-4	1450	2000	59	0.12	61
ESFB3-4R	1450	2000	59	0.12	61
ESFB4-4	1450	2870	149	0.37	72
ESFB4-4R	1450	5870	149	0.37	72
ESFB4-6	960	4500	80	0.25	64
ESFB5-4	1450	10000	170	0.75	74
ESFB5-6	960	7700	102	0.37	66
ESFB6-4	1450	18700	300	2.20	0
ESFB6-69	960	14500	170	1.10	75
ESFB7-4	1450	24500	350	3.00	85
ESFB7-6	960	20250	244	2.20	81

Esfa post type technical parameter



Dimension(mm)	Speed(RPM)	Air Flo(m³/h)	Pa	Power(Watts)	Moise(dBA)
ESF2.5-4	1450	2000	45	0.09	50
ESF3-4	1450	2000	59	0.12	61
ESF3-4R	1450	2000	59	0.12	61
ESF3.5-4	1450	4000	100	0.25	70
ESF3.5-6	960	3000	60	0.25	63
ESF4-4	1450	6000	170	0.37	72
ESF4-4R	1450	6000	170	0.37	72
ESF4-6	960	4500	80	0.25	64
ESF5-4	1450	10000	170	0.75	74
ESF5-6	960	7700	120	0.37	66
ESF6-4	1450	18700	300	2.20	80
ESF6-69	960	14500	170	1.10	75
ESF7-4	1450	24500	350	3.00	85
ESF7-6	960	21500	210	2.20	78