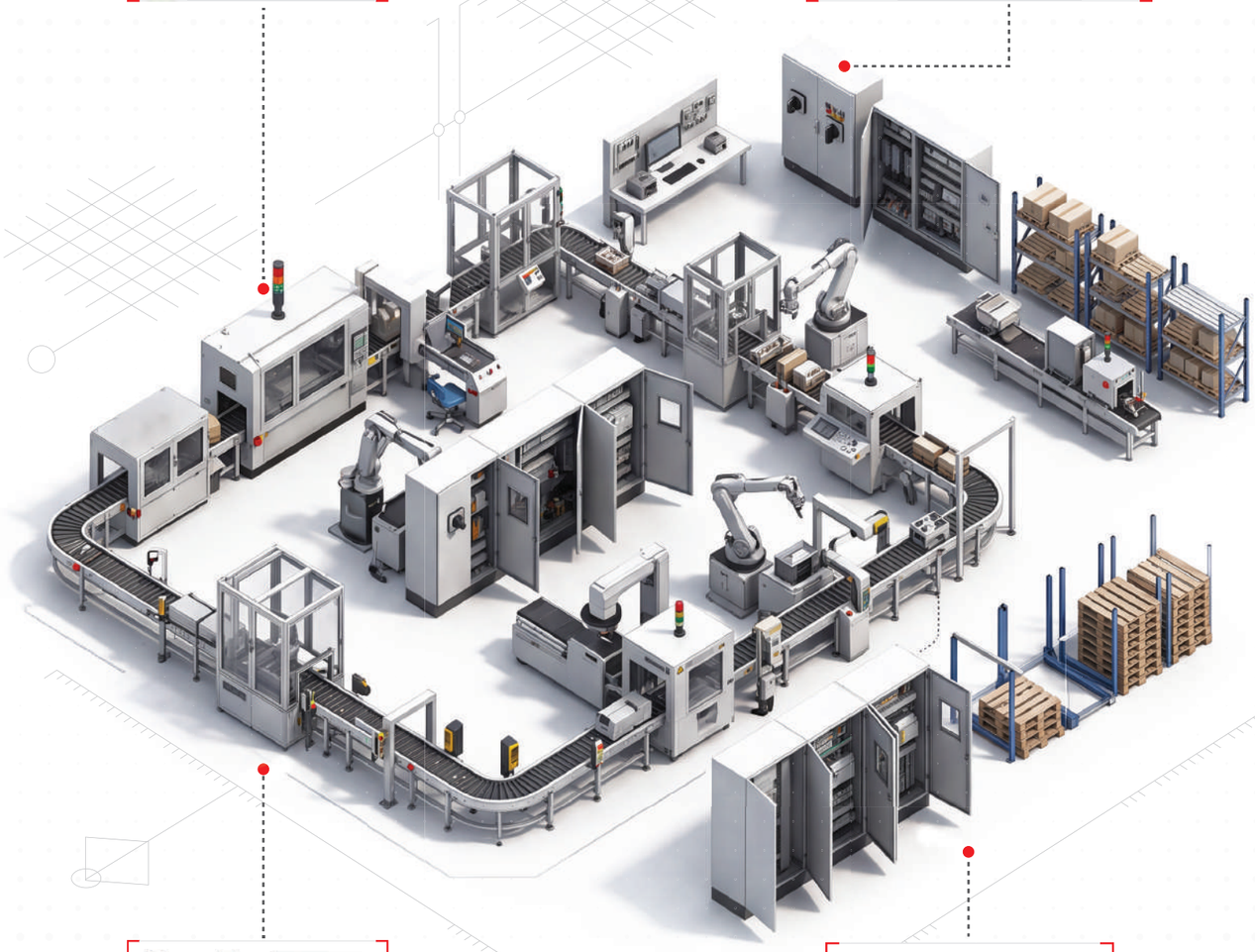
iLX

Product Catalog | 2027

SINCE 1997











Established in 1997 by **Mr. Cafer Bulut** and serving the industry for 25 years, ILX Engineering serves to all manufacturers, factories, automation and project companies in the industry with excellent quality and affordable price products it manufactures or distributes. With its team spirit, ambition, strive for success and purpose to serve the Turkish industry, ILX is one of the leading companies it is competing in. Starting production in 2004 with ILX warning lights, ILX Engineering has contributed to the industry with the Turkish made stack lights, heavy duty, solar powered and aviation obstruction lighting.

Adding production of cam switches to its product variety, ILX Engineering envisions to be one of the leading producers in the field. The company has extended its product variety with widely known brands that it exclusively represents and distributes in the Turkish market. Today, ILX Engineering responds both to the local and foreign demands.

Our vision is to export our products worldwide and make ILX an international brand. To realise this vision, we strive to satisfy every demand from the industry, from simple to large-scale industrial applications, with our experienced team of sales engineers and provide 7/24 technical support.



Main Office



Production Facility

Our employees and customers are the two pillars of our company. With this mindset, we regularly conduct technical trainings and personal development seminars, visit our customers to understand the industry's demands and feedbacks, and develop our products and product range even further. With 3 production locations in Istanbul and effective sales network around With 3 production locations in Istanbul and effective sales network around Turkiye, every customer can be served through the nearest location.

To achieve our goals and lead the competition, we consistantly improve ourselves and invest in R&D. We believe that only companies that are open-minded and that can anticipate and respond to the demands of the industry can create long-term, satisfying and reliable solutions. We continously work to achieve this goal and to become the solutions provider of tomorrow's needs.

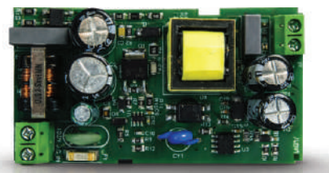
CE ISO RoHS

Discover **potential** and **quality**

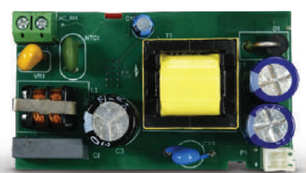
RELIABLE POWER. CONSISTENT PERFORMANCE.

A stable power supply is essential for dependable control and automation systems. Our SMPS power supplies are designed to provide efficient and consistent DC power in compact formats suitable for control panels, machinery and industrial electronic applications.





5W



12W



25W

Model	5W	12W	25W
Output Voltage	5V	12V	24V
Rated Current	1A	1A	1.05A
Rated Power	5W	12W	25.2W
Ripple	4mVp-p	4mVp-p	24mVp-p
Voltage Adj Range	-	-	22-26V
Voltage Tolerance	±1%	±1%	±1%
Line Regulation	±0.2%	±0.1%	±0.1%
Load Regulation	±4%	±1.25%	±1.25%
AC Voltage Range	100 - 240Vac		
DC Voltage Range	120 - 350Vdc		
No Load Power Consumption (Typ.)	0.1W	0.1W	0.1W
Frequency Range	47-63Hz		
Efficiency (Typ.)	%85	%87	%87
Overload	%110 rated output power		
Over Voltage / Over Current	Auto-restart mode.		
Working Temp.	-40~+70°C		

Power Supply Units



50W



100W



150W

Model	50W	100W	150W
Output Voltage	24V	24V	24V
Rated Current	2.1A	4.17A	6.25A
Rated Power	50.4W	100W	150W
Ripple	24mVp-p	24mVp-p	24mVp-p
Voltage Adj Range	22-26V	22-26V	22-26V
Voltage Tolerance	±1%	±1%	±1%
Line Regulation	±0.1%	±0.1%	±0.1%
Load Regulation	±1.25%	±1.25%	±1.25%
AC Voltage Range	100 - 240Vac		
DC Voltage Range	120 - 350Vdc		
No Load Power Consumption (Typ.)	0.1W	0.1W	0.1W
Frequency Range	47-63Hz		
Efficiency (Typ.)	%89	%90	%90
Overload	%110 rated output power		
Over Voltage / Over Current	Auto-restart mode.		
Working Temp.	-40~+70°C		

DETECT WITH PRECISION.

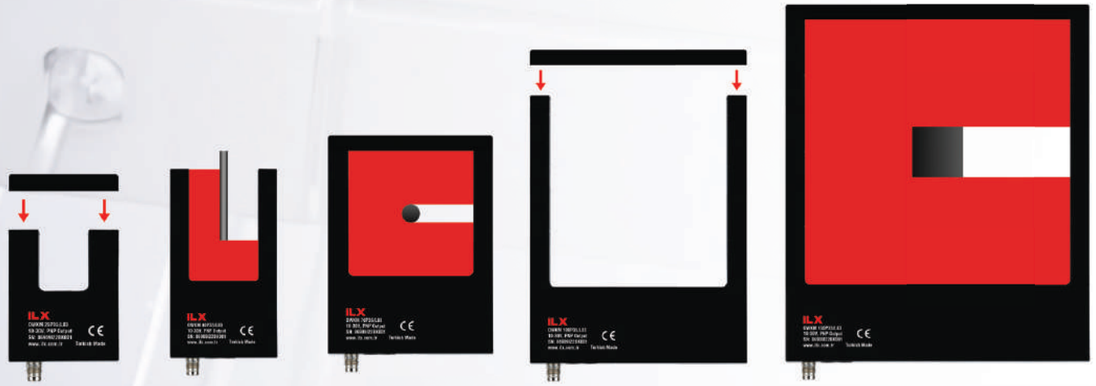
Reliable automation begins with accurate detection. Our sensor range includes fork, frame and ring sensing solutions for detecting, counting and monitoring objects and materials across machinery, production and automation applications, with additional sensor families expanding the range further.



Model	OLKM 02P34 / L83	OLKM 05P34 / L83
Rated Operation Voltage	10 to 30 VDC	
Resolution	0,4 mm	
Switching Frequency	3000 Hz	
Output Type	NPN NO/NC, PNP NO/NC	
Sensitivity	Adjustable	
Rated Output Current	120 mA	
No-load current (max.)	<35 mA	
Housing dimensions	35 × 60 × 14 mm	60 x 28.5 x 10 mm
Interface	**IO-Link**	
Material	Anodized Aluminium	
Operating Principle	Optical	
Evaluation	Static	
Operating Modes	Light/Dark Operate; Teach-In; Remote Teach	
Light Source	Infrared	
Ambient Temperature During Operation	-25°C to +60°C	
Protection Type	IP65	
Connection	M8 Connector / Cable	

Use IO-Link
Universal • Smart • Easy

OWKM Series Frame Sensors



QWKM25 QWKM40 QWKM70 QWKM100 QWKM150

Model	OWKM25	OWKM40	OWKM70	OWKM100	OWKM150
Rated Operation Voltage	18 … 30 V DC				
Resolution	Ø1.0 mm (static), Ø0.7 mm (dynamic)	Ø1.0 mm (static), Ø0.7 mm (dynamic)	Ø2.0 mm (static), Ø1.5 mm (dynamic)	Ø3.0 mm (static), Ø2.5 mm (dynamic)	Ø 5.0 mm (static), Ø 3.0 mm (dynamic)
Output Type	PNP/NPN (Factory Set) – NO/NC (Adjustable)				
Sensitivity	Adjustable				
Rated Output Current	120mA				
No-load current (max.)	< 45 mA				
Inverse polarity protection	Yes				
Short-circuit protection	Yes				
Housing dimensions	55x60x15mm	70x110x15mm	100x120x15mm	130x150x15mm	180x200x15mm
Material	Anodized Aluminum				
Operating principle	Optical				
Evaluation	Switching, Dynamic/static switchable				
Operating modes	Static, Dynamic				
Interface	**IO-Link**				
Switching output	Push-pull, 100 mA, NO/NC, switchable				
Voltage drop (max.)	2 V				
Pulse stretching	0 … 150 ms adjustable				
Light source	Infrared LED				
Detection range	25x22mm	40x49m	70x62mm	100x92mm	150x142mm
Response time	0.05 ms				
Release time	0.05 … 10000 ms				
Ambient temperature during operation	-25 … +60 °C				
Protection type	IP 65				
Connection	M8, 4-pin Connector or Cable				

Use IO-Link
Universal • Smart • Easy

OFKM Series Fork Sensors



OFKM10

OFKM20

OFKM30

OFKM40



OFKM50



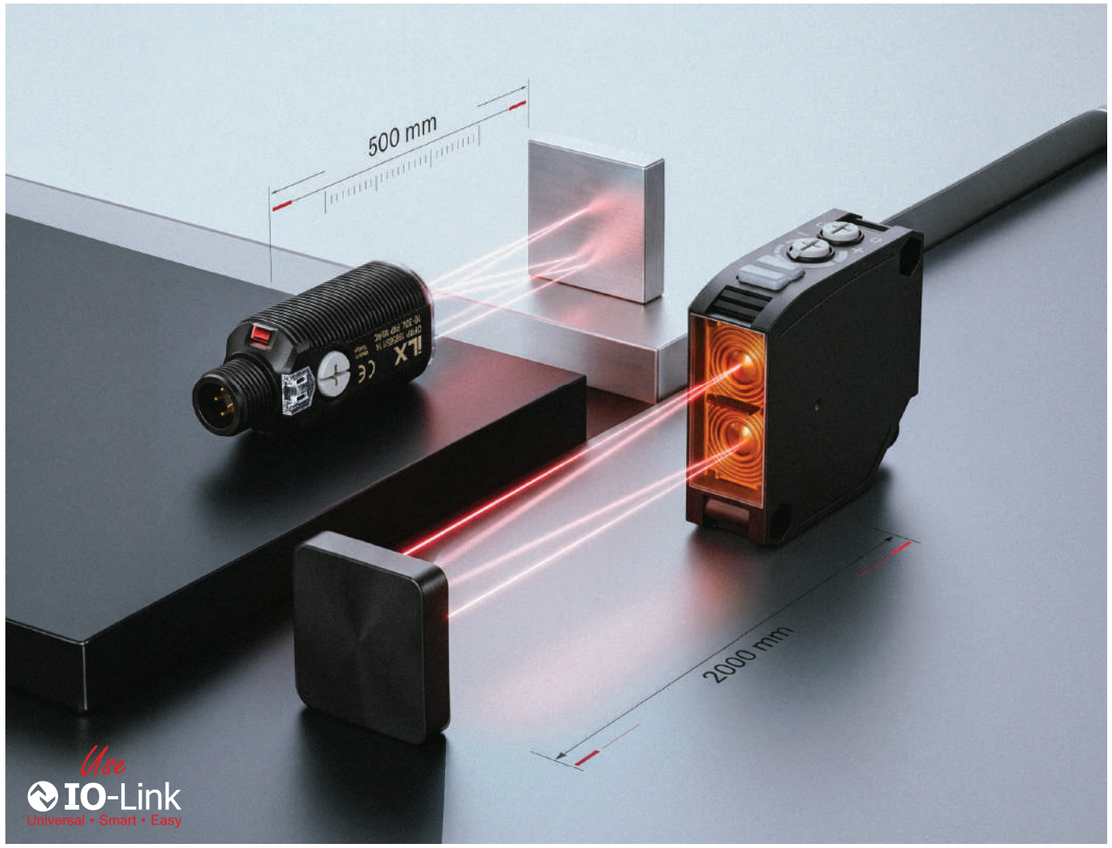
OFKM80



OFKM120

Model	OFKM10	OFKM20	OFKM30	OFKM40	OFKM50	OFKM80	OFKM120
Fork Measurement Gap	10mm	20mm	30mm	40mm	50mm	80mm	120mm
Rated Operation Voltage	10-30 VDC						
Max. Sensitivity	0.4mm						
Output Type	Push-pull, PNP/NPN (Factory Set) – NO/NC (Adjustable)						
Interface	**IO-Link**						
Sensitivity	Fixed	Adjustable					
Rated Output Current	120mA						
Material	Anodized Aluminum						
Emitted Light	Red LED						
Modulation	Pulse Modulated						
Max. Output Switching Freq.	250 Hz						
Connector	M8 3 Pin Male						
Protection	IP65						
Operation Temperature	-25...+60°C						
Dimensions (mm)	30x45x10	40x50x10	54x70x10	64x70x10	74x80x10	104x80x10	144x90x12
Conforming Standard	EN 60947-5-2						
Weight Approx (kg)	0.025	0.03	0.04	0.045	0.054	0.065	0.09

Use IO-Link
Universal • Smart • Easy



Model	OZRP18	OZRP20	OZKP50
Rated Operation Voltage	10-30 VDC		24-240 VAC-VDC
Max. Detection Distance	500mm	300mm	2000mm
Output Type	PNP/NPN (Factory Set) NO/NC (Adjustable)	Push-pull, PNP/NPN – NO/NC (Relay)	
Interface	**IO-Link**		-
Sensitivity	Adjustable		
Max Load Current	120mA	120mA	3A
Material	ABS		
Emitted Light	Red LED 624nm	Red LED 624nm	Infrared LED 820nm
Max. Output Switching Freq.	500 Hz		
Connecion	Cable or M8 3 Pin Male Connector		Cable
Protection	IP65		
Operation Temperature	-25...+60°C		
Dimensions (mm)	Ø18x45	47x21x11	50x51x18





PQR06 PQR08 PQR10 PQR15 PQR22 PQR30 PQR44 PQR63 PQR100

Model	PQR06	PQR08	PQR10	PQR15	PQR22	PQR30	PQR44	PQR63	PQR100
Rated Operation Voltage	10-30 VDC								
Internal Diameter	6mm	8mm	1mm	15mm	22mm	30mm	44mm	63mm	100mm
Output Type	Push-pull, PNP/NPN (Factory Set) – NO/NC (Adjustable)								
Interface	**IO-Link**								
Sensitivity	Adjustable								
Pulse stretching	Adjustable								
Max Load Current	120mA								
Material	ABS								
Speed of parts (max.)	35 m/s								
Speed of parts (min.)	0.1 m/s								
Readiness delay (max.)	300 ms								
Resolution	Ø0.5mm	Ø0.5mm	Ø0.6mm	Ø1,2mm	Ø3mm	Ø4mm	Ø5mm	Ø6mm	Ø12mm
Max. Output Switching Freq.	5 kHz								
Connecion	Cablo or M12 4 Pin Male Connector								
Protection	IP65								
Operation Temperature	-25...+60°C								
Dimensions (mm)	74x35x20					84x44x20	85x105x20	85x105x20	104x165x29

PROB IO-LINK

With IO-Link, the PROB becomes more than a signal light: a single standard cable carries full control of every segment color, mode, brightness, buzzer.

Replacement units configure themselves automatically, and level-meter modes let the tower visualize process values directly on the machine.

SEE THE SIGNAL KNOW THE **STATUS.**

Clear signalling keeps people informed and processes moving safely. ILX warning lights and tower lights offer reliable visual and audible indication for machinery, automation systems and industrial environments, with different sizes, colours, signalling modes and mounting options to suit a wide range of applications.

PRO SERIES Ø50

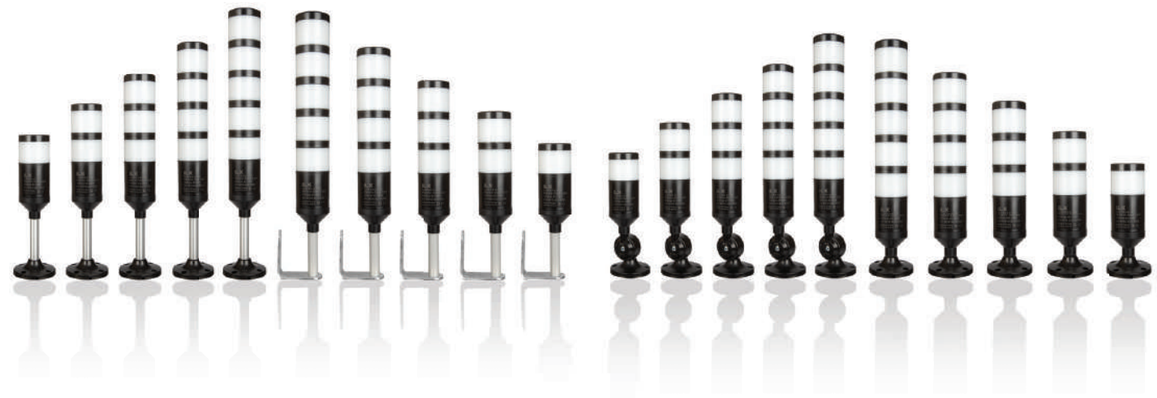
Polished aluminum lights for premium applications
Anodised for scratch resistance



Model	İL-XPRO-..1	İL-XPRO-..2	İL-XPRO-..3	İL-XPRO-..4	İL-XPRO-..5
Voltage	12/24VDC				
Power	Max. 1,4W per color, 0,5W buzzer				
Input Type	PNP or NPN (Factory Set)				
Luminous Source	LED				
Signal Type	Continuous				
Color	Red/Green/Yellow/Blue/White/Amber				
Lens Material	PC				
Housing Material	Aluminum				
Buzzer Output (dB)	92				
Buzzer Tone Type	Pulse				
Mounting Type	Base Mount				
Connection	Cable				
Protection	IP65				
Weight Approx (kg)	0.36	0.42	0.48	0.54	0.60
Dimensions (mm)	Ø77x248	Ø77x313	Ø77x378	Ø77x443	Ø77x508

P5 SERIES Ø50

Aesthetic, Powerful, Functional



Model	İL-XP5-..1	İL-XP5-..2	İL-XP5-..3	İL-XP5-..4	İL-XP5-..5
Voltage	12/24VDC, 110-220VAC				
Power	Max. 1,5W per color, 0,5W buzzer				
Input Type	PNP				
Luminous Source	LED				
Signal Type	Multi(Continuous/Flashing)				
Color	Red/Green/Yellow/Blue/White/Amber				
Lens Material	PC				
Housing Material	ABS				
Buzzer Output (dB)	92				
Buzzer Tone Type	Pulse				
Mounting Type	Panel Mount With M30 Locknut Base Mount Wall Mount Rotating Base Mount				
Connection	M12 Male Connector or cable				
Protection	IP65				
Weight App.(kg)	0.109	0.158	0.207	0.256	0.305
Dimensions(mm)	Ø55x128	Ø55x177	Ø55x220	Ø55x275	Ø55x324
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD				

M5 SERIES Ø50

Aesthetic, Powerful, Functional



Model	İL-XM5-..1	İL-XM5-..2	İL-XM5-..3	İL-XM5-..4	İL-XM5-..5
Voltage	12/24VDC, 110-220VAC				
Power	Max. 1,5W per color, 0,5W buzzer				
Input Type	PNP / NPN				
Luminous Source	LED				
Signal Type	Multi(Continuous/Flashing)				
Color	Red/Green/Yellow/Blue/White/Amber				
Lens Material	PC				
Housing Material	ABS				
Buzzer Output (dB)	92				
Buzzer Tone Type	Pulse				
Mounting Type	Panel Mount With M22 Locknut Base Mount Wall Mount Rotating Base Mount				
Connection	M12 Male Connector or cable				
Protection	IP65				
Weight App.(kg)	0.109	0.158	0.207	0.256	0.305
Dimensions(mm)	Ø55x128	Ø55x177	Ø55x220	Ø55x275	Ø55x324
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD				

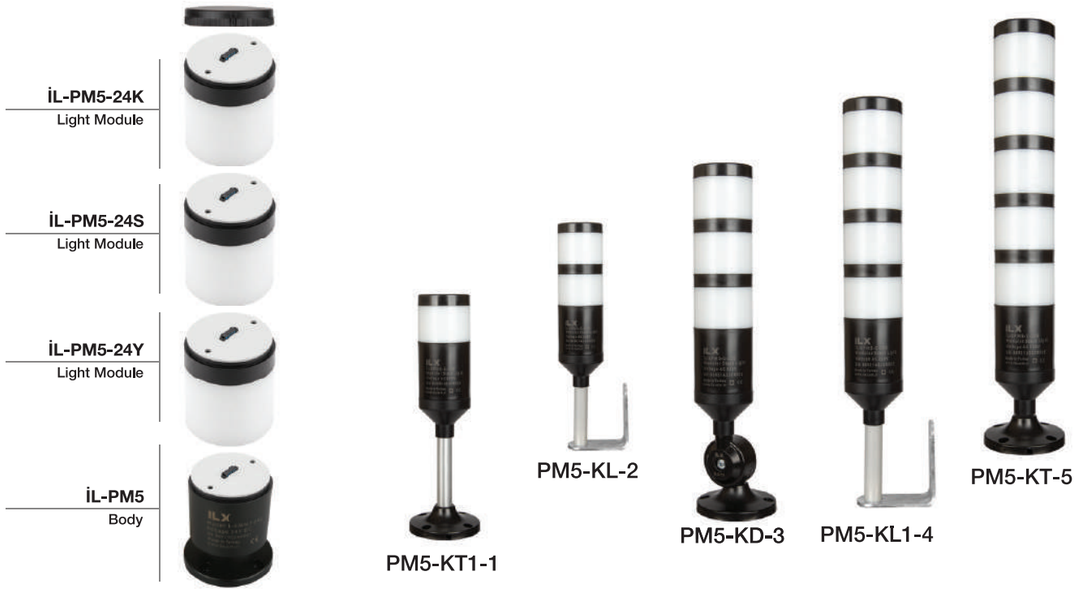
T5 Series Ø50



Model	İL-X..-5..-..1	İL-X..-5..-..2	İL-X..-5..-..3	İL-X..-5..-..4	İL-X..-5..-..5
Voltage	12/24/48VAC/DC, 110-220VAC				
Power	Max. 1,5W per color, 0,5W buzzer				
Input Type	PNP / NPN				
Luminous Source	LED				
Signal Type	Continuous / Flashing / Strobe / Continuous-Flashing / Continuous-Strobe				
Color	Red/Green/Yellow/Blue/White/Amber				
Lens Material	PC				
Housing Material	ABS				
Buzzer Output (dB)	92				
Buzzer Tone Type	Continuous/Pulse				
Mounting Type	Base Mount Wall Mount Rotating Base Mount				
Connection	M12 male connector or cable				
Protection	IP65				
Weight Approx (kg)	0.14	0.20	0.26	0.33	0.39
Dimensions (mm)	Ø75x190	Ø75x255	Ø75x320	Ø75x385	Ø75x450
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD				

PM5 SERIES Ø50

Aesthetic, Powerful, Modular, Functional

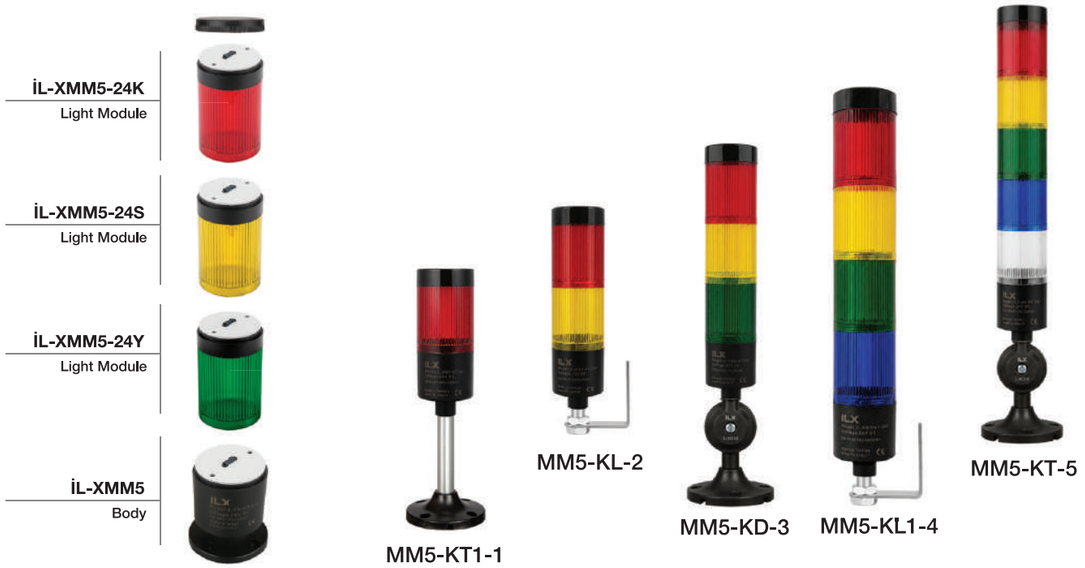


Model	İL-XPM5-GR	İL-XPM5-..1	İL-XPM5-..2	İL-XPM5-..3	İL-XPM5-..4	İL-XPM5-..5	İL-XPM5-L
Voltage	12/24VDC, 110-220VAC						-
Power	Max. 1,5W per color, 0,5W buzzer						-
Input Type	PNP / NPN						
Luminous Source	-	LED					
Signal Type	-	Multi(Continuous/Flashing)					
Color	-	Red/Green/Yellow/Blue/White/Amber					
Lens Material	-	PC					
Housing Material	ABS						-
Buzzer Output (dB)	92						-
Buzzer Tone Type	Pulse						-
Mounting Type	Panel Mount With M30 Locknut Base Mount Wall Mount Rotating Base Mount						-
Connection	M12 Male Connector or cable						-
Protection	IP65						
Weight App.(kg)	0.06	0.109	0.158	0.207	0.256	0.305	0.049
Dimensions(mm)	Ø55x79	Ø55x128	Ø55x177	Ø55x220	Ø55x275	Ø55x324	Ø55x49
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD						-

Multi Modular Tower Lights

MM5 Series Ø50

- Available as modular segments, which allows customization in field
- Each light module can be configured individually to continuous or flashing operation mode
- Shock and heat resistant polycarbonate lenses



Model	İL-XMM5-..1	İL-XMM5-..2	İL-XMM5-..3	İL-XMM5-..4	İL-XMM5-..5	İL-XMM5	İL-XMM5-24.
Voltage	12-24VDC, 48-220VAC						24VDC
Power	R:2,1W G,Y,B,W:4,7W - 0,5W buzzer					1W	2W
Input Type	PNP / NPN						
Luminous Source	LED					-	LED
Signal Type	Multi (Continuous/Flasher/Strobe)						
Color	Red/Green/Yellow/Blue/White					-	Red/Green/ Yellow/Blue/ White
Lens Material	Polycarbonate						PC
Housing Material	ABS						
Buzzer Output (dB)	92						-
Buzzer Tone Type	Continuous-Pulse / Adjustable						-
Mounting Type	Base Mount						-
Connection	Cable						-
Protection	IP65						
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD						-

M7 Series Ø70



Model	İL-XM7-..1	İL-XM7-..2	İL-XM7-..3	İL-XM7-..4	İL-XM7-..5
Voltage	12-24VAC/DC, 110-220VAC				
Power	Max. 1,8W per color, 0,5W buzzer				
Input Type	PNP / NPN				
Luminous Source	LED				
Signal Type	Multi(Continuous/Flashing/Strobe)				
Color	Red/Green/Yellow/Blue/White/Amber				
Lens Material	PC				
Housing Material	ABS				
Buzzer Output (dB)	B :92 BH:127				
Buzzer Tone Type	B: Pulse BH: 7 Melodies				
Mounting Type	Base Mount Wall Mount Rotating Base Mount				
Connection	M12 male connector or cable				
Protection	IP65				
Weight Approx (kg)	0.17	0.25	0.34	0.42	0.50
Dimensions (mm)	Ø75x151	Ø75x215	Ø75x279	Ø75x343	Ø75x407
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD				

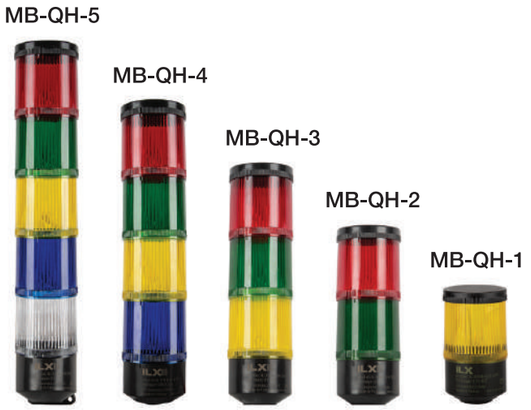
MM7 Series Ø70

- Available as modular segments, which allows customization in field
- Each light module can be configured individually to continuous or flashing operation mode
- Shock and heat resistant polycarbonate lenses



Model	İL-XMM7-..1	İL-XMM7-..2	İL-XMM7-..3	İL-XMM7-..4	İL-XMM7-..5	İL-XMM7	İL-XMM7-24.
Voltage	24VDC, 110-220VAC						24VDC
Power	Max. 2W per color, 0,5W buzzer					1W	2W
Input Type	PNP / NPN (Factory Set)						
Luminous Source	LED					-	LED
Signal Type	Multi (Continuous/Flashing)					-	Multi (Continuous/ Flashing)
Color	Red/Green/ Yellow/Blue/ White/Amber					-	Red/Green/ Yellow/Blue/ White/Amber
Lens Material	PC						PC
Housing Material	ABS						
Buzzer Output (dB)	92						-
Buzzer Tone Type	Continuous-Pulse						-
Mounting Type	Base Mount Wall Mount Rotating Base Mount						-
Connection	Cable						-
Protection	IP65						
Compatible Apparatus	İL-XKT, İL-XKL, İL-XKD						-

Multi Ø70 Horn Combination Buzzers



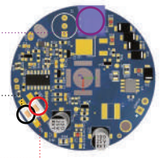




Sound Level Adjustment Via
Potentiometer, Maximum 127 dB Sound Level

4 Different Signal Mode Selectable

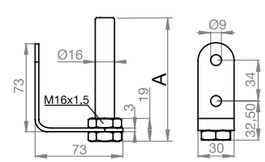
7 Different Sound Mode Selectable



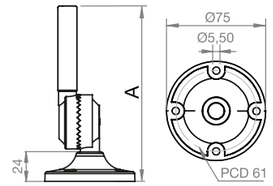
Model	İL-XB-QH	İL-XB-BH	İL-XMB-QH	İL-XMB-BH/ MB-BH-1	İL-XMB-BH-2	İL-XMB-BH-3	İL-XEMB-B	İL-XEMB-Q
Voltage	12-24/48VAC/DC,, 110-220VAC						24VAC/DC, 48-220VAC	
Power	0,5W		Max. 3W per color, 0,5W buzzer					
Input Type	-				PNP/NPN (Factory Set)		-	
Luminous Source	-		LED					
Signal Type	-		Multi (Continuous/Flashing/Strobe/Rotate)				Multi (Continuous/Flashing)	
Color	-		Red/Green/Yellow/Blue/White/Amber					
Lens Material	-		PC					
Housing Material	ABS							
Buzzer Output (dB)	B/Q :105 BH/QH:127						105	
Buzzer Tone Type	B/Q :Pulse BH/QH:7 Melodies						Pulse	
Mounting Type	Wall Mount							
Connection	Cable							
Protection	IP65							
Weight Approx (kg)	0.110	0.137	0.190	0.214	0.295	0.370	0.214	0.190
Dimensions (mm)	70x78x63	70x78x161	70x78x127	70x78x225	70x78x289	70x78x353	70x78x63	70x78x161

Mounting Apparatus

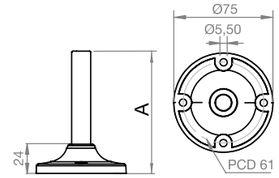




	A	Weight
KL	22 mm	127 gr
KL1	102 mm	147 gr
KL2	202 mm	171 gr
KL3	302 mm	195 gr

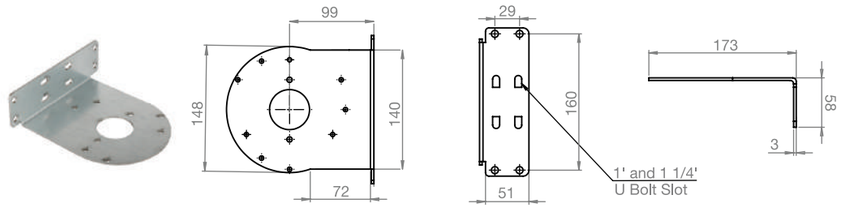


	A	Weight
KD	74 mm	64 gr
KD1	154 mm	82 gr
KD2	254 mm	106 gr
KD3	354 mm	130 gr



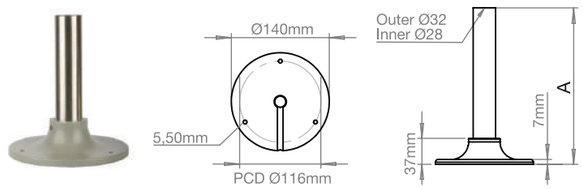
	A	Weight
KT	24 mm	30 gr
KT1	104 mm	48 gr
KT2	204 mm	72 gr
KT3	304 mm	96 gr

İL - XKL - ACF



Material	Galvanised Sheet
Weight	635 gr

İL - XKT. - ACF



	A
..-KT	47 mm
..-KT1	107 mm
..-KT2	207 mm
..-KT3	307 mm

Base Material	Stainless Steel
Tube Material	RAL7030 Gray Aluminium
Weight	430 gr

1 BODY 3 or 5 or 7 COLORS


R7K


T7K


V7K


R6


R6K


T6


T6K


PM5


QH


BH


PRO


V50


V50B

Model	İL-XQH/İL-XBH	İL-XV50/V50B	İL-XPRO	İL-XPM5	İL-XT6/T6K	İL-XR6/R6K	İL-T7K	İL-XR7K	İL-XV7K
Voltage	12-24VAC/DC, 110-220VAC	24VDC	12/24VDC		12-24VAC/DC, 48VDC, 110-220VAC				
Power	Max. 3W per color, 0,5W buzzer	Max. 1,3W per color, 0,1W buzzer	Max. 1,5W per color, 0,5W buzzer		Max. 3W per color, 0,5W buzzer				
Luminous Source	LED								
Signal Type	Multi(Continuous/Flashing/Strobe)	Continuous			Multi(Continuous/Flashing/Strobe)				
Color	Red/Green/Yellow				5 Colors: Red/Green/Yellow/Blue/White 7 Colors: Red/Green/Yellow/Blue/Cyan/Magenta/White				
Lens Material	PC								
Housing Material	ABS		Aluminum	ABS					
Buzzer Output (dB)	B/Q: 105 BH/QH: 127	92			B: 92dB BH: 110dB				
Buzzer Tone Type	B/Q: Pulse BH/QH: 7 Melodies	Continuous	Pulse		B: Pulse BH:7 Melodies				
Mounting Type	Wall Mount	M32 Locknut Mounted	Base Mount M22 Locknut Locknut	Panel Mount With M30 Locknut, Base Mount, Wall Mount, Rotating Base Mount	Base Mount	PG13,5 Locknut	Base Mount Wall Mount Rotating Base Mount	M16 Hex Nut	Bolt Mount
Connection	Cable	Cable or M12 Connector			Cable				
Protection	IP65								

Our variety of pick-to-light solutions guide the operators to pick the part next to be assembled. This eliminates the possibility of faulty production, lowers costs and increases speed and efficiency in the production line.


İL-XPL50-P


İL-XPL50-S


İL-XPL50-T


İL-XPL22


İL-XPL50-E

Model	İL-XPL22	İL-XPL50-T	İL-XPL50-S	İL-XPL50-P	İL-XPL50-E
Voltage	10-30VDC	24VDC			
Power	0,5W	0,7W			Max. 1,3W per color
Current (No Load)	75mA				
Max Load Current	150mA				3A
Luminous Source	LED				
Signal Type	Continuous				
Color	Red/Green	Red/Green/Yellow			Push: Red, Armed: Yellow or Green
Sensing Principle	Capacitive Touch	Capacitive Touch	Optical	Push Button	Emergency Button
Response Time	< 50milli seconds ON and OFF				
Lens Material	PC				
Housing Material	ABS				
Mounting Type	Panel Mount With M22 Lock Nut				
Connection	M12 Male Connector or cable				Cable
Protection	IP65				
Working Tempature	-20°C to +50°C				
Dimensions (mm)	Ø30x54	Ø50x49	Ø50x46		Ø50x70



Model	İLX MLF-W-12	İLX MLF-W-25	İLX MLF-W-48	İLX MLF-W-70	İLX MLF-W-91
Voltage Suppy	18-30 VDC				
Power Consumption	A = 125mm: 5W	A = 250mm: 10W	A = 480mm: 20W	A = 700mm: 30W	A = 910mm: 40W
Connection	M12 Connector or Flying Cable				
Dimensions	Check Drawing				
Protection	IP67				
Body Material	Aluminum				
Window Material	PMMA				
Mounting	Wall Mount				
Temperature Range	-20°C to +50° C				

Machine Lighting

Use
IO-Link
Universal • Smart • Easy



Model	İLX MLF-RGB-12	İLX MLF-RGB-25	İLX MLF-RGB-48	İLX MLF-RGB-70	İLX MLF-RGB-91
Voltage Suppy	18-30 VDC				
Power Consumption	A = 125mm: 5W	A = 250mm: 10W	A = 480mm: 20W	A = 700mm: 30W	A = 910mm: 40W
Connection	M12 Conn IO Link or Flying Cable				
Dimensions	Check Drawing				
Protection	IP67				
Body Material	Aluminum				
Window Material	PMMA				
Mounting	Wall Mount				
Temperature Range	-20°C to +50° C				

FROM 60Ø TO 120Ø



T6



T6K



R6



R6K



F7



T7K



R7K



V7K



T8

Model	İL-XF7	İL-XT6/R6	İL-XT6K/R6K	İL-XT7K/R7K/V7K	İL-XT8
Voltage	12-80 VDC	12-24/48VAC/DC, 110-220VAC			
Power	Max. 4W per color, 0,5W buzzer	Max. 3,2W per color, 0,5W buzzer	Max. 2,4W per color, 0,5W buzzer	Max. 3,2W per color, 0,5W buzzer	
Luminous Source	LED				
Signal Type	Strobe	Multi (Continuous / Flashing / Strobe/ Rotate)			
Color	Red / Green / Yellow / Blue / White / Amber				
Lens Diameter(mm)	Ø70	Ø60	Ø60	Ø70	Ø80
Lens Material	PC				
Housing Material	ABS				
Buzzer Output (dB)	120	B: 92 BH: 110	92	B: 92 BH: 110	
Buzzer Tone Type	4 Melodies	B: Pulse BH: 7 Melodies	Pulse	B :Pulse BH:7 Melodies	
Mounting Type	Base Mount	T6 : Base Mount R6: PG13,5 Locknut	T6K: Base Mount R6K: PG13,5 Locknut	T7K: Base Mount/Wall Mount/Rotating Base Mount R7K: M16 Hex Nut V7K: Bolt Mount	Base Mount
Connection	Cable				
Protection	IP65				
Weight Approx (kg)	0.21	0.136 - 0.177	0.11 - 0.15	0.175 - 0.165 - 0.145	0.22
Dimensions (mm)	99x72x126	Ø82x102 - Ø70x129	Ø82x69 - 70x96	Ø75x178-Ø70x143-Ø70x144	Ø84x178

Multi Ø60, Ø70, Ø80, 90, 100, 120 Warning Lights



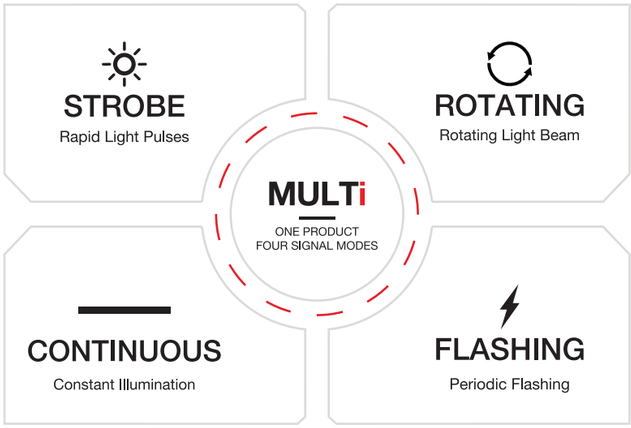
VT8



V8



T9





T12



T10-MP



T10

Model	İL-XV8	İL-XVT8	İL-XT9	İL-XT10	İL-XT10-MP	İL-XT12
Voltage	12-24/48VAC/DC, 110-220VAC					
Power	Max. 3,2W per color, 0,5W buzzer					
Luminous Source	LED					
Signal Type	Multi (Continuous / Flashing / Strobe/ Rotate)					
Color	Red / Green / Yellow / Blue / White / Amber					
Lens Diameter (mm)	Ø80		Ø90	Ø100		Ø120
Lens Material	PC					
Housing Material	ABS					
Buzzer Output (dB)	B: 92 BH: 110					
Buzzer Tone Type	B :Pulse BH:7 Melodies					
Mounting Type	Bolt Mount	Bolt+Base Mount	Base Mount Magnetic Base Mount			Base Mount
Connection	Cable					
Protection	IP65					
Weight Approx (kg)	0.24	0.26	0.28	0.30	0.43	0.40
Dimensions (mm)	Ø84x154	Ø96x154	Ø130x114	Ø140x139	Ø140x149	Ø148x187

HP SERIES

- Aesthetical, Powerful, Modular and Functional
- High intensity light output
- Ideal solution for directional signalling applications

Durable polycarbonate lens
for tough conditions.



İL-XHP-B1K Series



Functional
Can be adjusted to continuous, flashing, rotating and strobe modes

Colors
Red, Green, Yellow, Amber, Blue, White

Audible Signal
Buzzer: 92dB
Speaker: 120dB



Model	İL-XHP-K	İL-XHP-BK	İL-XHP-B1K
Voltage	12-24VAC/DC, 110-220VAC		
Power	4W	8W	12W
Luminous Source	LED		
Signal Type	Multi(Continuous/Flashing/Strobe/Rotate)		
Color	Red/Green/Yellow/Blue/White/Amber		
Lens Material	PC		
Housing Material	ABS		
Buzzer Output (dB)	-	92	120
Buzzer Tone Type	-	Pulse	7 Melodies
Mounting Type	Base Mount		
Connection	Cable		
Protection	IP65		

ROBUST & RELIABLE



HD-B HD-K HD-BK HD-B1 HD-B1K

120 - 130 dB
Powerful audible warning for demanding environments.

7 Melodies
Selectable tone options for different applicantions.

MULTi
ONE PRODUCT
FOUR MODES

IP65
Dust and water resistant design for industrial use.

-20°C ~ +50°C
Reliable performance in harsh conditions.

Model	İL-XHD-K	İL-XHD-BK	İL-XHD-B1K	İL-XHD-B1	İL-XHD-B
Voltage	12-24 VAC/VDC / 220 VAC				
Power	4W	12W		10W	
Luminous Source	LED				
Signal Type	Multi				
Colors	Red/Green/Yellow/Blue/White				
Lens Material	PC				
Housing Material	Aluminium				
Buzzer Tone Type		7 Melodies			
Siren	-	✓			
Siren Loudness (dB)	-	120 - 130			
Motor Speed (RPM)	-				
Rated Time	-				
Protection	-				
Weight Approx	1.26 kg	2.9 kg		1.6 kg	
Dimensions (mm)	140x210	BK: 214x135x306 B1K:130x123x300		B: 145x145x214 B1: 131x131x113	
Mounting	Base-mount, Wall-mount, Tube mount	Wall Mounted			
Connection	Cable				

SOLAR POWER

Our solar warning lights are the best choice in cases where power outages are a problem. It is also a suitable option for places where delivering mains power is expensive or not preferred.



ACSL-BP



ACSL-BD



ACSL - L□R



SL510

Model	İL-XACSL-BP	İL-XACSL-BD	İL-XSL510	İL-ACSL - L□R
Solar Cell Capacity	1W		5W	2.5W
Battery Capacity	3.2V 2000mAh		3.2V 5000mAh	3.2V 5000mAh
Luminous Source	Power LED			
Luminous Intensity	32cd (Type B)		10cd (Type A) / 32cd (Type B)	10cd (Type A) / 32cd (Type B)
Signal Type	Strobe (60fpm)		Continuous / Strobe (60fpm)	Strobe (60fpm)
Color	Red (ICAO Standard)			
Horizontal Beam Spread	360°			
Photocell Integrated	Yes			
Lens Material	PC			
Housing Material	ABS	Aluminum	ABS+Steel	Aluminum
Operation Time at Full Charge(without sunlight)	70h		Red 10cd Continuous : 120h Red 32cd Continuous : 56h Red 10cd Strobe (20fpm) : 350h Red 32cd Strobe (20fpm) : 180h	Continous: 40h Strobe: 84h
Mounting Type	Base Mount Wall Mount	Base Mount Wall Mount Tube Mount	Base Mount Tube Mount	Base Mount Wall Mount
Protection	IP65			
Weight approx (kg)	0.36	1	6.5	3000g
Dimensions (mm)	Ø140x137	Ø118x176	486x255x272	Ø170x135

□:
A- Type A 10cd
B- Type B 32cd

FROM NEED TO SOLUTION

Aircraft Warning Light:
Handle plate added to add extra mobility, where customer frequently carries the beacon in the airfield.

Beacon Lights:
USB charging port + magnetic mounting added for mobile applications.

Power Supply:
Can be customized for specific output voltages.

Sensors:
Can be factory adjusted for more stable measure-ment or faster detection.

Heavy Duty:
Each input triggers an MP3 audio file and a specific color for indication of assembly line status.

Tower Light:
Can be customized for specific indication needs.

Cam Switches:
Customizable switching function per customer request for all switches

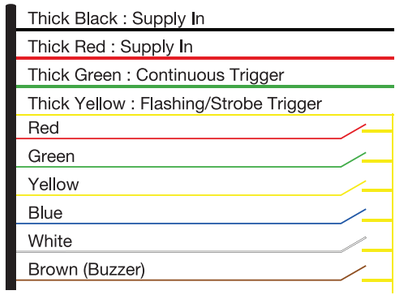
Connection Schemes

T5

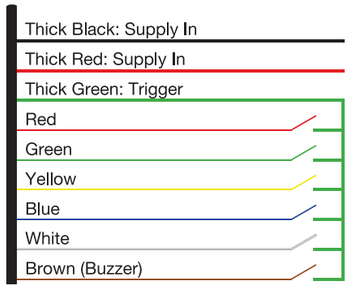
12/24 VAC/VDC Continuous



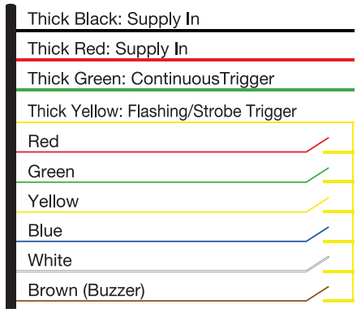
12/24 VAC/VDC Flashing/Strobe



48 VAC/VDC / 110-220 VAC Continuous



48V VAC/VDC / 110-220 VAC Flashing/Strobe



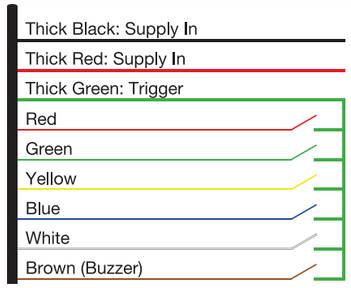
If cables other than thick black and thick red are energized, the product will be out of warranty.

Multicolor (5) Products : R6, R6K, T6, T6K, T7, T7K, R7, R7K, V7, V7K, PRO, B, Q

12/24 VAC/VDC



110-220 VAC

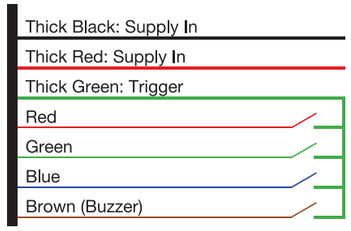


Multicolor (3) Products : R6, R6K, T6, T6K, T7, T7K, R7, R7K, V7, V7K, PRO, B, Q

12/24 VAC/VDC



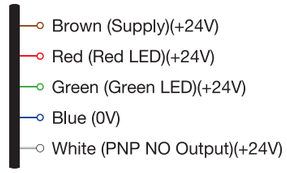
110-220 VAC



Led Colour Combination



PL50



PL50-Q12



1: Brown +24V Supply
2: White Red LED
3: Blue 0V
4: Black PNP NO Output
5: Gray Green LED

PL22



1: Brown +10-30V Supply
2: White N/C
3: Blue 0V
4: Black PNP No Output

V50, V50B

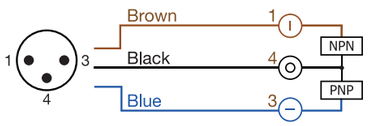


V50-Q12, V50B-Q12



1: Brown (Green LED)
2: White (Red LED)
3: Blue (0V)
4: Black (Yellow LED)
5: Gray (Buzzer)

OFKM



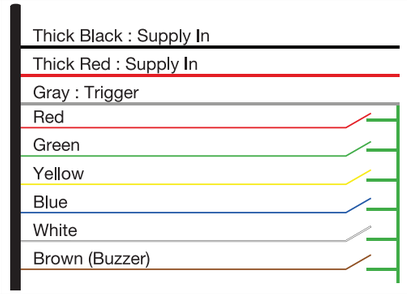
Connection Schemes

M7

12/24 VAC/VDC

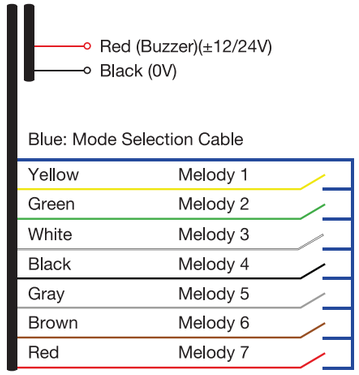


110-220 VAC

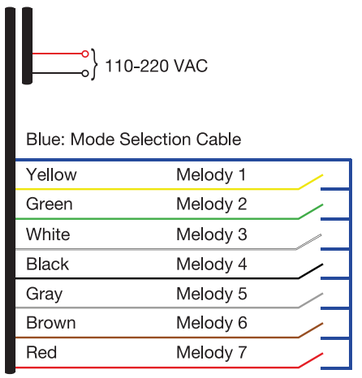


HD, HP-BK

12/24 VAC/VDC



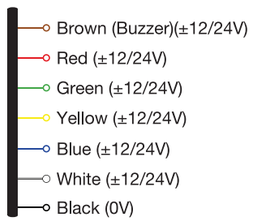
110-220 VAC



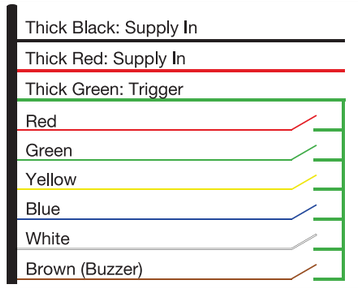
If melody selection cables are energized, the product will be out of warranty.

PM5

12/24 VDC

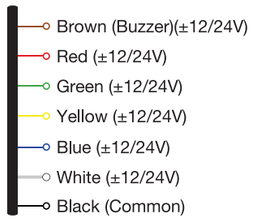


110-220 VAC



B, Q (Multilayer)

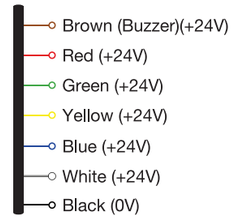
12/24 VAC/VDC



110-220 VAC

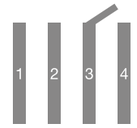


PRO

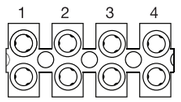


ACF

Cable



Terminal Blocks



24 VDC / 110-220 VAC

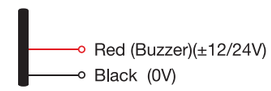
1: 24 VDC / 110-220 VAC IN
2: GND / 220 VAC IN
3: Dry Contact Alarm Output
4: Dry Contact Alarm Output

F7

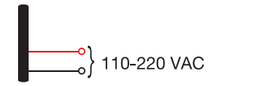


HP-K, T6, T6K, R6, R6K, T7K, R7K, V7K, T8, V8, VT8, T9, T10, T12, B, Q (1 Layer)

12/24 VAC/VDC



110-220 VAC



D Series Multi Mountable Switches

Ease of Use: An extension shaft enables remote actuation of the switch, while the knob provides easier torque application for smooth on-off operation.

Ergonomics: The design of the knob allows the user to actuate the switch more easily.

Reliable Structure: Manufactured from robust and rigid materials, ILX extended shaft switches offer an extended service life and ensure reliable operation.

Safety: Extended shaft products are designed to protect the operator from electrical hazards, particularly in high-risk areas. ILX extended shaft switches allow users to control power in challenging or hazardous environments.

Hard-to-Reach Areas: Extended shaft switches provide an ideal solution for applications where the switch is located in a hard to reach area.

Easy Installation: ILX cam switches are easy to install and equipped with robust terminals that enable secure connections.

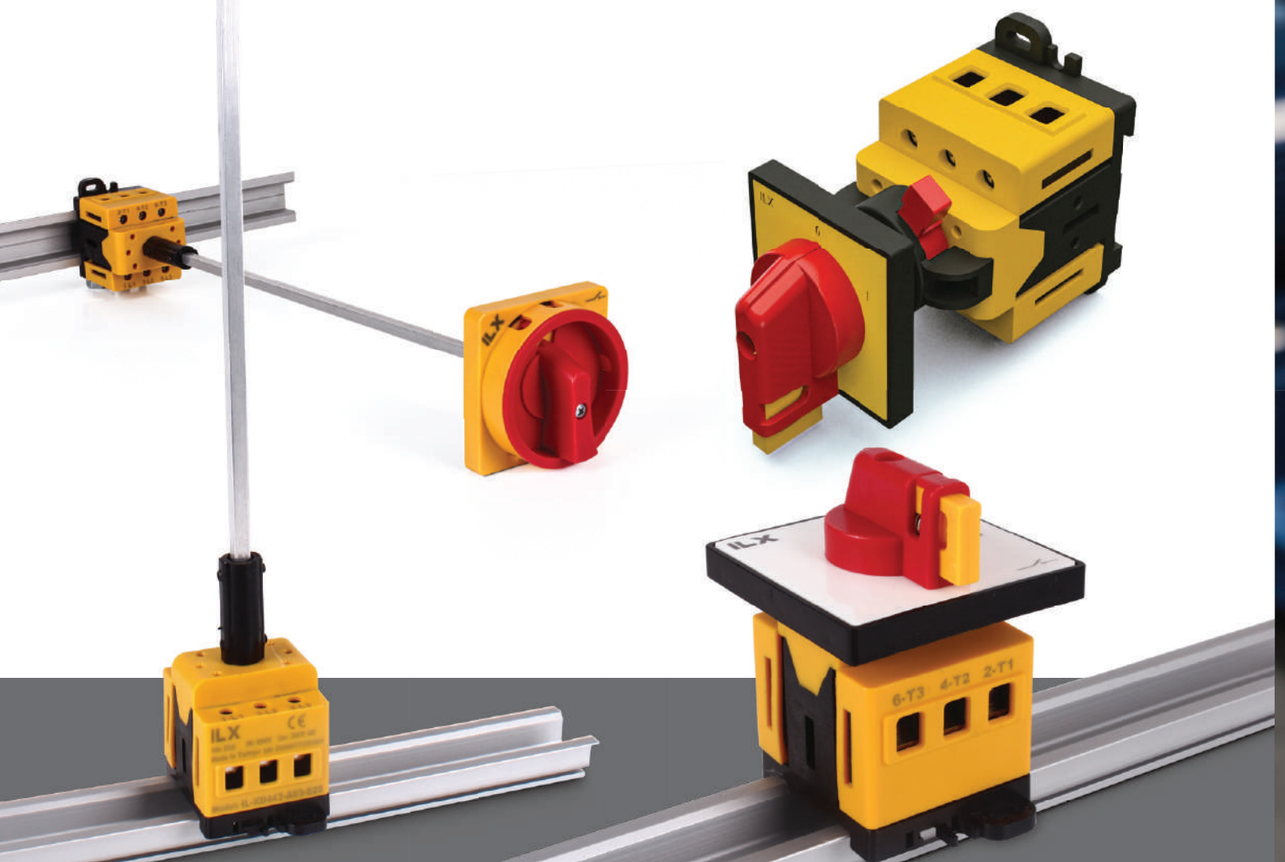
Material Quality: Material selection directly dictates product reliability and service life. ILX switch housings are molded from high grade plastics, while internal metal components utilize corrosion-resistant alloys.

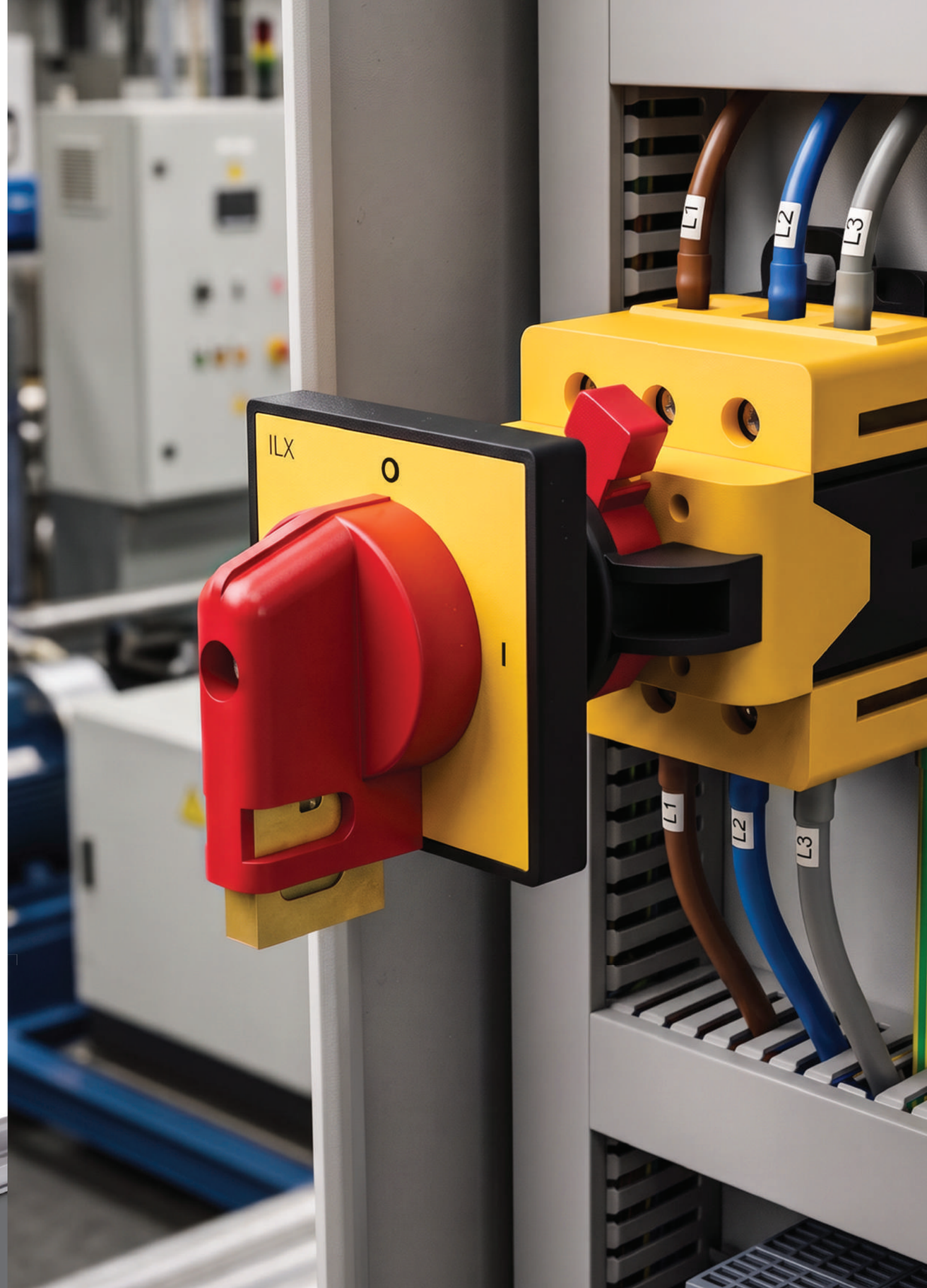
User Friendly: The switch design enables flexible layout options in panels and allows users to save space.

Lockable: Prevents unauthorized access to hazardous areas.

Accessories: A rich variety of accessories enables solutions for a wide range of applications.



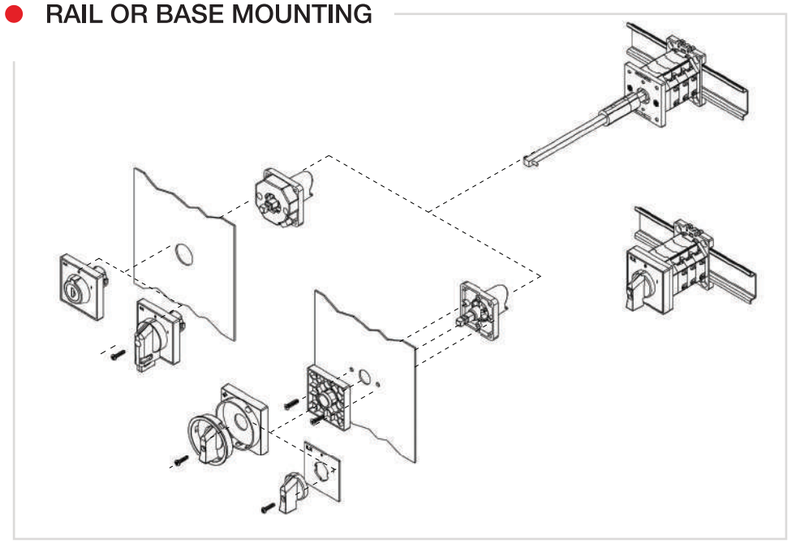


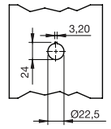
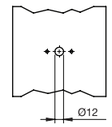


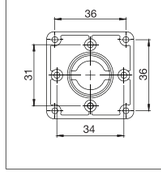
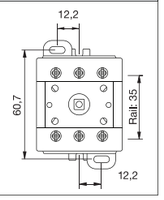




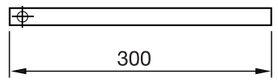
RAIL OR BASE MOUNTING



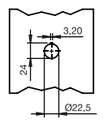
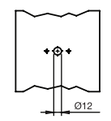
Panel Central Hole Dimensions	
Mounting Without Screw	Mounting With Screw
	

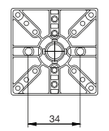
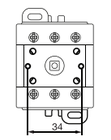
Ext. Shaft Body Dimensions	Base Mounting Dimensions
	

Extension Shaft Dimensions

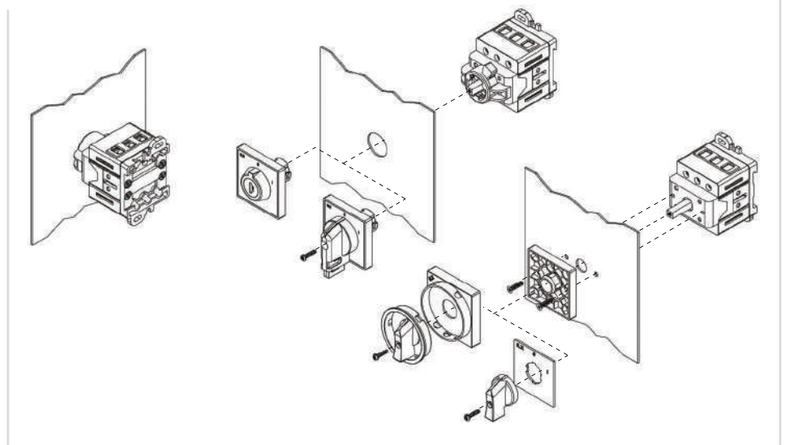


Inquire for special dimensions.

Panel Central Hole Dimensions	
Mounting Without Screw	Mounting With Screw
	

Frame Dimension	Switch Mounting Dimensions
	

PANEL MOUNTING



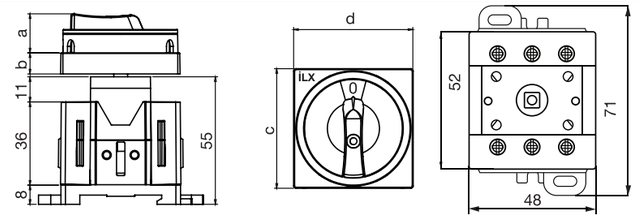
TECHNICAL DATA - ELECTRICAL RATINGS

Code			İL-...-025	İL-...-032	İL-...-050
Rated operating voltage Ue		V	690		
Rated insulation voltage Ui		V	690		
Rated impulse withstand voltage Uimp (sectionable)		KV	8		
Rated thermal current Ith		A	32	40	63
Rated thermal current in enclosed Ithe		A	32	40	63
Frequency		Hz	50/60		
Temperature range	Operating	°C	20 to +60		
	Storage	°C	20 to +65		
Mechanical life time		cycles	100.000		

RATED OPERATING CURRENT						
AC-21A Switching resistive loads (p) with light overloads		690	A	25	32	50
AC-23A Periodic switching of motors (p)	3 phase 3 pole	230V	A2	25	32	50
			kW	7,5	10	-
		400V	A2	25	32	50
			kW	15	18,5	-
		500V	A2	25	32	50
			kW	15	22	-
		690V	A1	16	20	25
			kW	15	18,5	-

Short Circuit Characteristics				
Rated short-time short circuit withstand current Icw (1s) A	A	800	800	800
Rated short circuit making capacity Icm A	A	1500	1500	2200

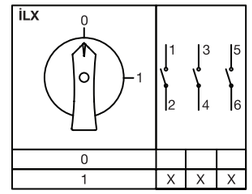
Dimensions



Frame Type	Suitable For (Ampere)	a		b		c	d
		L Type	L Type	L Type	L Type		
4	25, 32, 50*	20,6	17	7,5	9	48	48
6		27,4	23,3	8	10	66	66
8		27,4	23,3	8	10	80	80

* Inquire for other ampere values.

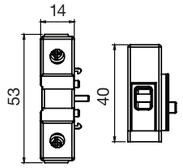
Connection Diagram



0			
1	X	X	X

ADDITIONAL POLES DETAILS

Dimensions



Connection Diagram

Additional Pole NO	7 — 8
Neutral Terminal	N — N
Ground Terminal	PE — PE

Back Panel Mountable Switches

Back Panel Mount: The switch can be easily installed on or removed from the panel. Its structure allows for a more space-saving and tidy layout inside the electrical panel. ILX back panel-mountable switches are preferred in systems where aesthetic layouts and high reliability are of particular importance.

Applications: Widely used in factories, assembly lines, and other industrial environments where tidiness and safety are critical.

Visually Pleasing: More of the switch remains behind the panel door, helping create a cleaner work environment.

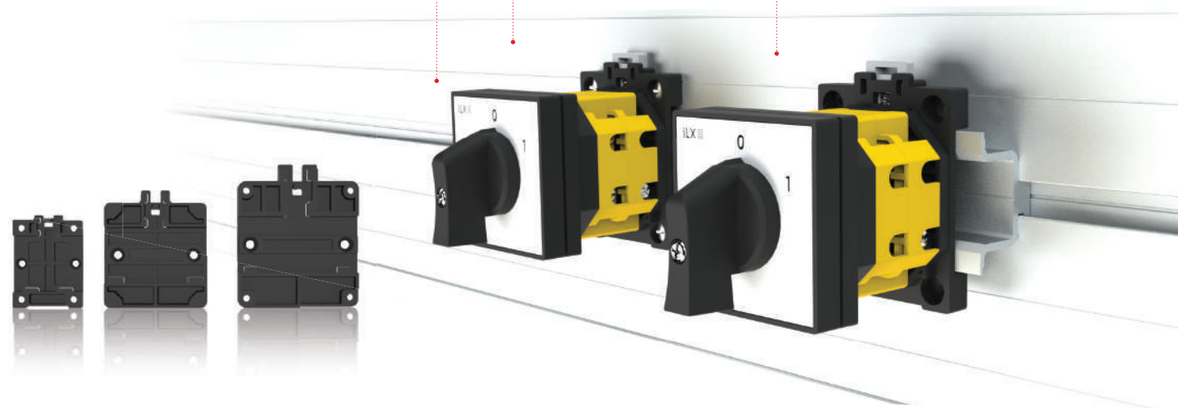
Lockable: Prevents unauthorized access to hazardous areas.



Fire Resistant
Suitable for use in places with fire hazard

Surface Mount
Rail Mount bracket may also be used to attach the switch to surfaces through the holes in corners.

DIN Rail Mount
Mounting a cam switch to a DIN rail had never been easier. Perfectly fits the rail and allows easy removal.





Off Position
Panel door may be opened



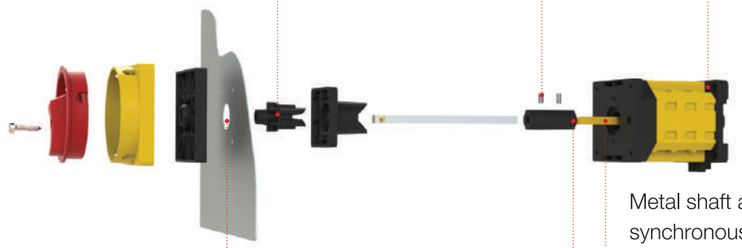
On position
Panel door is locked



Robust Plastics
Rear Mounted Interlock Plate

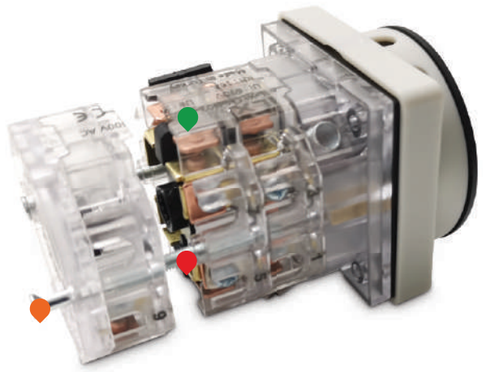
Shaft
Attachment Part

Mounting Variety
Can be mounted on surfaces or DIN rail.



Metal shaft allows synchronous operation of all contacts.

Easy Alignment
Thanks to the shaft being at the center of the cam switch, it is very easy to locate the mounting location in the panel door.

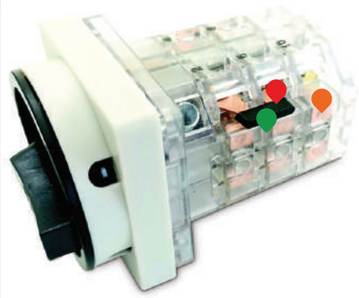


AESTHETICS AND DURABILITY ARE AT THE FOREFRONT

In the cells combined with mechanical cell locks, column bolt and long nut; many problems are removed such as physical resistance decrease, and inability to withstand the weight of the cable due to factors such as heat and vibration in regards environment used over time and also wobbling and flexion problems are removed.

- Long Nut
- Column Bolt
- Mechanical Cell Locks

The Best in Electrical Conductivity



The metals with the best electrical conductivity are copper and silver. Owing to Silvers high current permability, thermal strength, and its resistance to corrosion, the contacts of our cam switch are silver covered. Therefore, in case of possible instantaneous high current, contacts do not stick and do not cause fire hazard.

- Copper Bridge
- Silver Contact
- Insulation of Bridge

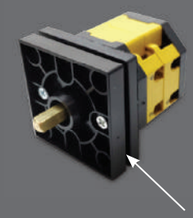
Mountability and Durability



Non-deforming mounting feature with M3,5 nuts



High clamping strength with M3,5V bolts



Ability to be mounted on thick surfaces

Laser Marking

Altough cam switches are known as typical products, due to the flexible solutions and diverse necessities of industry, they are produced in many different types.

Identifying the references is important for each key type.

We are using laser labeling for understanding and simplifying the explanations and to prevent markings from wearing off.



Cable Assembly Work

Lift mounting bolts reduce the cable assembly work and provide you with a safe assembly.

Closed Bolt System prevents assembly bolts to fall and get lost.



Turn Your Switch Safely

The metal shaft, to which the handwheel is connected and allowing all contacts to move, is positioned at the center of the switches.

The step adjuster mechanical system, which minimizes the electrical arc and can perform fast on and off, has been developed by İLX R&D engineers.

An arc is an electrical explosion in an electrical system caused by a low impedance connection with earth or another phase. In arc explosions, high temperatures cause the air surrounding that point to heat up quickly and create high air pressure.



OT SERIES

One of the key advantages of ILX OT Series Open Terminal Switches is their compatibility with cable lug connections. The open terminal design allows cables fitted with cable lugs to be connected easily and securely, providing a practical and reliable solution for panel wiring and industrial applications.
This connection method simplifies installation, improves connection stability, and makes maintenance and cable replacement more convenient.



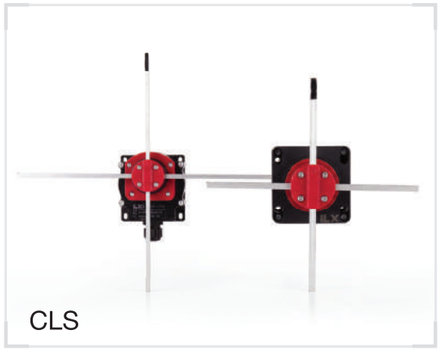


4F



64F

Cam Switches



CLS



6F

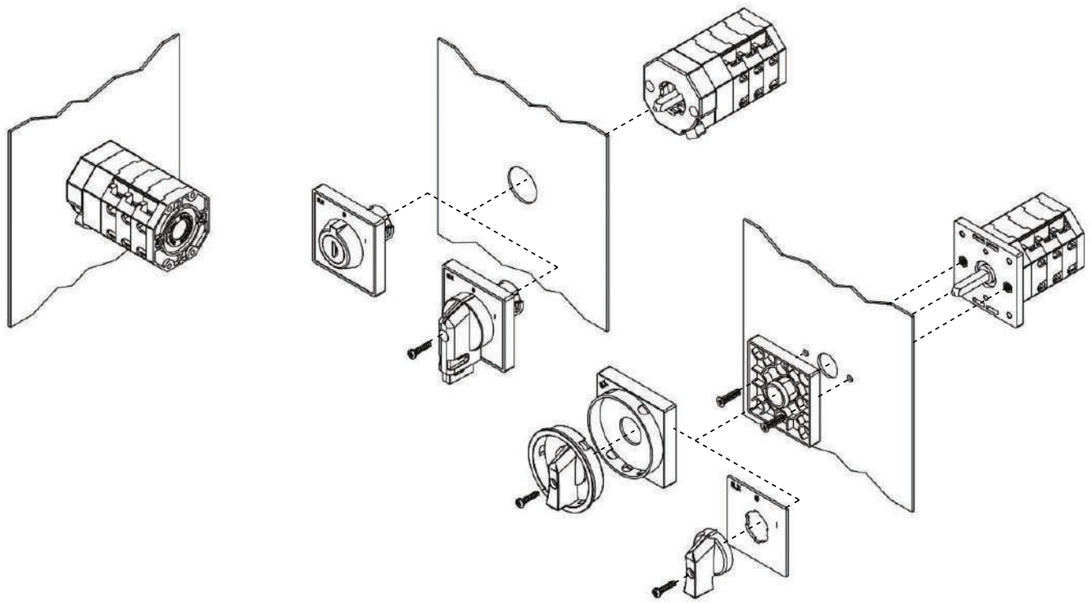


8F

Model			4F-10A	4F-16A
Rated operating voltage Ue		V	690	690
Rated insulation voltage Ui		V	690	690
Rated impulse withstand voltage Uimp (sectionable)		kV	4	4
Rated thermal current Ith		A	16	20
Rated thermal current in enclosed Ithe		A	10	16
Frequency		Hz	50/60	50/60
RATED OPERATING CURRENT Ie: alternate current				
AC-21A Switching resistive loads (p) with light overloads		400V	A	10	16
AC-22A Switching mixed resistive and inductive loads at light overloads		400V	A	10	16
AC-23A Periodic switching of motors (p)	Single phase - 1 Pole	110V	A/Kw	12/1.1	14/1.5
		230V	A/Kw	12/2.2	14/3
	3 phase - 3 Pole	230V	A/Kw	10/3	13/4
		400V	A/Kw	10/5.5	13/7.5
		500V	A/Kw	10/7.5	14/10
		690V	A/Kw	10/7.5	14/10
AC3 Starting of cage motors (interruption while running)	Single phase - 2 Pole	110V	A/Kw	10/0,75	12/1.1
		230V	A/Kw	10/2	12/2.2
	3 phase - 3 Pole	230V	A/Kw	8/2,2	10/3
		400V	A/Kw	8/4	10/5.5
		500V	A/Kw	8/5,5	10/7.5
		690V	A/Kw	6/5,5	8/7.5
RATED OPERATING CURRENT Ie: direct current					
DC-21 A Switching resistive loads with light overloads	50V (1 Phase)		A	10	12
DC-22A Switching mixed resistive and inductive loads at light overloads	30V (1 Phase)		A	8	10
SHORT CIRCUIT CHARACTERISTICS					
Rated short-time short circuit withstand current Icw (1s)			A	300	300
Rated short circuit making capacity Icm			A	1200	1200
Conditional rated short circuit withstand current			kA	6	6
Fuse rating gG		690V	A	16	20

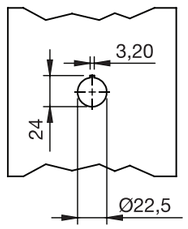
4F-20A	4F-25A	4F-32A	4F-40A	6F-40A	6F-63A	6F-80A	6F-100A	8F-100A	8F-125A	8F-160A
690	690	690	690	690	690	690	690	690	690	690
690	690	690	690	690	690	690	690	690	690	690
4	4	4	4	4	4	4	4	6	6	6
25	32	32	40	40	63	80	100	100	125	160
20	25	32	40	40	63	80	100	100	120	120
50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
RATED OPERATING CURRENT Ie: alternate current										
20	25	32	40	40	63	80	100	100	125	160
20	25	32	40	40	63	80	-	-	-	-
18/2	25/2.2	30/2.5	35/3	35/3	45/4	63/5.5	-	-	-	-
18/4	25/4.5	30/5.5	35/6.5	35/6.5	45/7.5	63/11	70/13	70/13	-	-
16/5	25/7.5	30/9	35/11	35/11	50/15	58/18.5	94/30	94/30	140/45	173/55
16/9	22/11	27/15	32/18.5	32/18.5	40/22	54/30	68/37	68/37	78/45	99/55
16/11	22/15	27/18.5	32/22	32/22	40/30	54/37	65/45	65/45	65/45	79/55
16/12.5	20/15	22/18.5	25/22	25/22	32/30	40/37	-	-	47/45	58/55
16/1.5	22/2	25/2.2	30/2.5	30/2.5	36/3	45/4	-	-	-	
16/3.5	22/3.7	25/4	30/5.5	30/5.5	35/6.5	45/7.5	82/15	82/15	-	
12/4	18/5.5	23/7.5	27/9	27/9	37/11	47/15	97/31	97/31	117/37	141/45
12/6.5	18/9	23/11	27/15	27/15	35/18.5	44/22	67/37	67/37	64/37	81/45
12/8	18/11	23/15	27/18.5	27/18.5	35/22	44/30	53/37	53/37	53/37	65/45
10/9	14/11	18/15	20/18.5	20/18.5	25/22	32/30	-	-	39/37	47/45
16	20	25	32	32	-	-	-	-	-	-
12	16	20	25	25	-	-	-	-	-	-
300	380	380	500	500	960	960	1500	1500	1500	-
1200	2000	2000	2000	2000	2000	2000	2000	2000	2000	-
6	6	6	6	6	6	6	6	6	6	6
25	32	40	50	50	80	100	125	125	160	200

PANEL MOUNTING

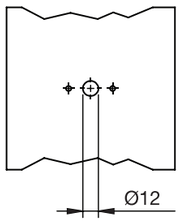


Panel Central Hole Dimensions

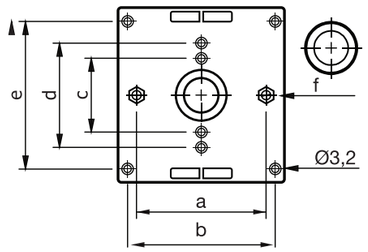
Mounting Without Screw



Mounting With Screw

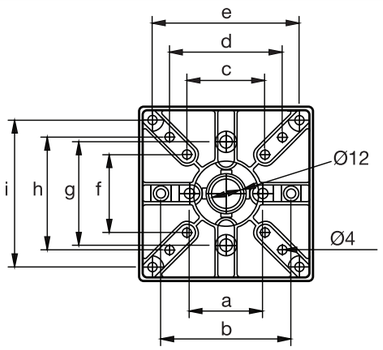


Switch Mounting Dimensions



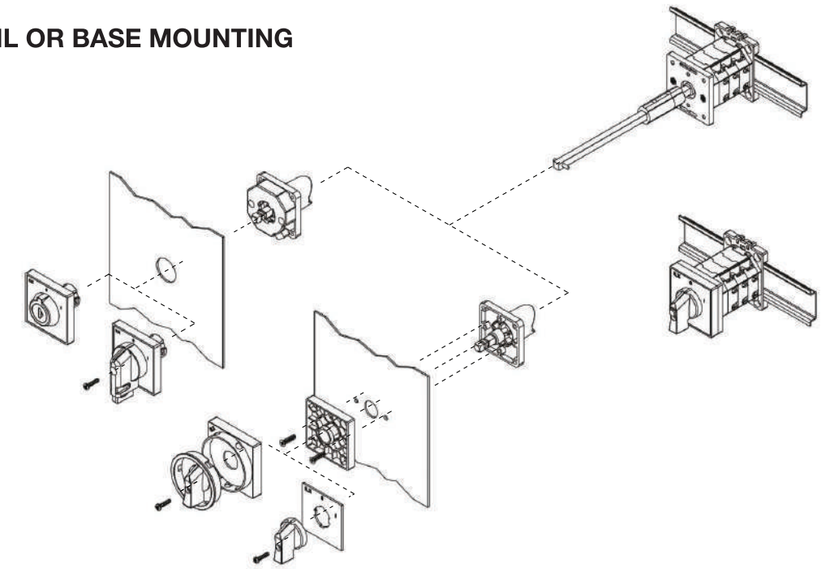
Switch Body Type	a	b	c	d	e	f
4F	34	36	30.7	-	36	M3,5
6F	48	52	34	42	52	M4
8F	60	68	34	48	68	M4

Frame Dimensions

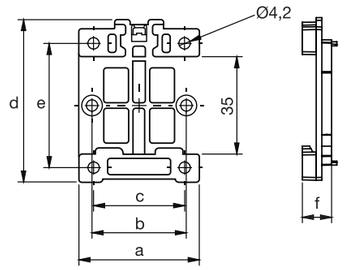


Frame Type	a	b	c	d	e	f	g	h	i
4	34	-	36	-	-	36	30,7	-	-
6	Slot-31,5 to 48		36	52	-	36	48	52	-
8	34	60	36	52	68	36	48	52	68

RAIL OR BASE MOUNTING



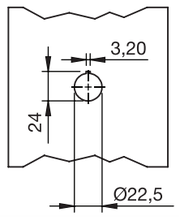
Base Mounting Dimensions



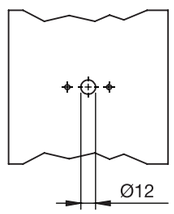
Switch Body Type	a	b	c	d	e	f
4F	44	34	33	60	45	10,5
6F	65	48	54	74	55	11,2
8F	76	60	66	91	68	9,5

Panel Central Hole Dimensions

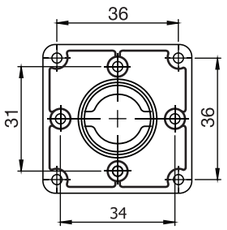
Mounting Without Screw



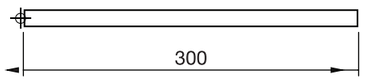
Mounting With Screw



Ext. Shaft Body Dimensions

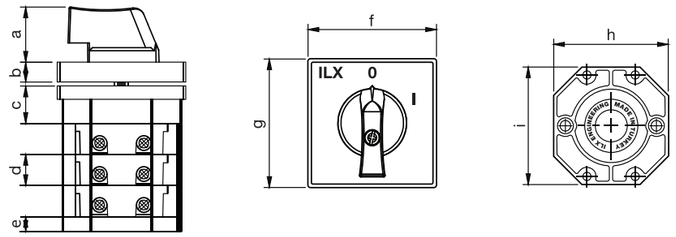


Extension Shaft Dimensions



Inquire for special dimensions.

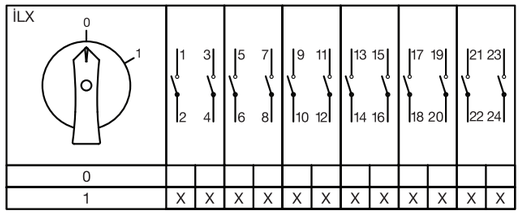
Cam Switches Dimensions



Switch Body Type	Suitable for (Ampere)	a		b		c	d	e	f	g	h	i
		P Type	L Type	P Type	L Type							
4	10 to 40	20,6	17	7,5	9	14	11,6	5,5	48	48	44	42,8
6	40 to 80	27,4	23,3	8	10	20,3	18,2	8,2	66	66	65	63,5
8	80 to 200	27,4	23,3	8	10	20,3	24,5	-	80	80	-	-

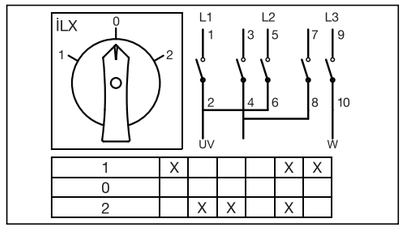
CONNECTION DIAGRAM

A: ON-OFF (0-1)



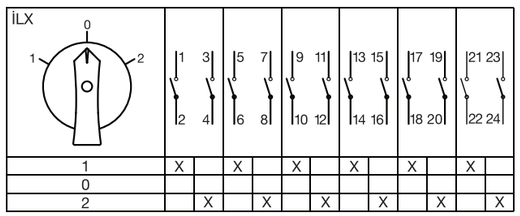
0												
1	X	X	X	X	X	X	X	X	X	X	X	X

B: REVERSING (1-0-2



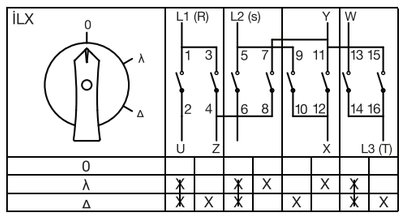
1	X				X	X
0						
2		X	X		X	

C: CHANGEOVER (1-0-2)



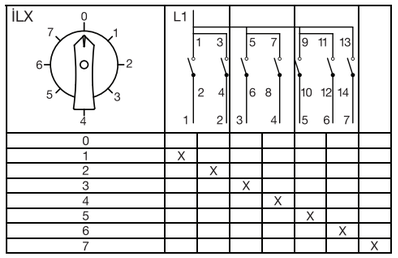
1	X		X		X		X		X		X	
0												
2		X		X		X		X		X		X

D: STAR DELTA (0-λ-Δ)



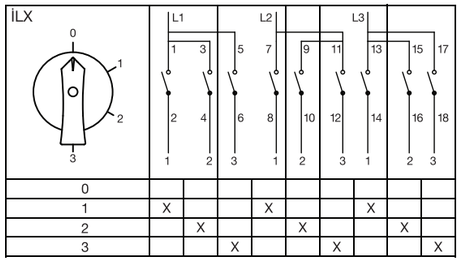
0										
λ	X		X		X		X			
Δ	X	X	X		X		X			X

E: STEPPING - 1 PHASE



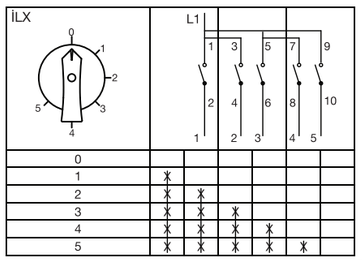
0							
1	X						
2		X					
3			X				
4				X			
5					X		
6						X	
7							X

E: STEPPING - 3 PHASE



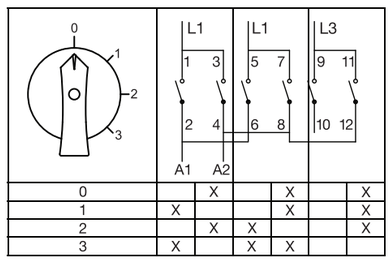
0									
1	X			X			X		
2		X			X			X	
3			X			X			X

ET: STEPPING - ACCUMULATING



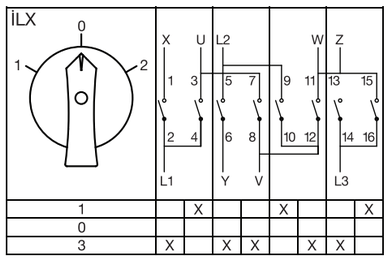
0						
1	X					
2	X	X				
3	X	X	X			
4	X	X	X	X		
5	X	X	X	X	X	

G: AMMETER SELECTOR



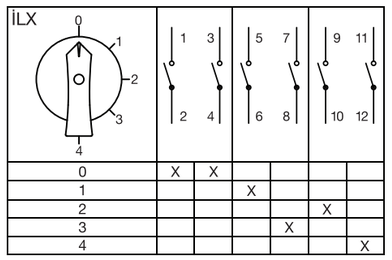
0		X			X	X
1	X				X	X
2		X	X			X
3	X		X	X		

I: TWO SPEED MOTOR



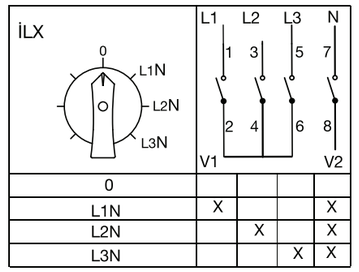
1		X			X			X
0								
3	X		X	X		X	X	

K: BYPASS



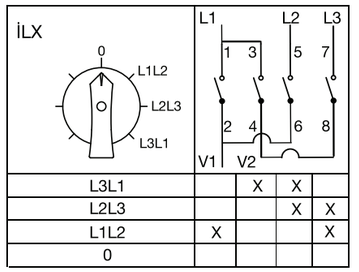
0	X	X				
1			X			
2					X	
3				X		
4						X

F03 : L-N VOLTMETER SELECTOR



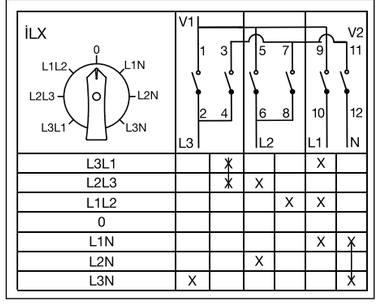
0				
L1N	X			X
L2N		X		X
L3N			X	X

F04 : L-L VOLTMETER SELECTOR



L3L1		X	X	
L2L3			X	X
L1L2	X			X
0				

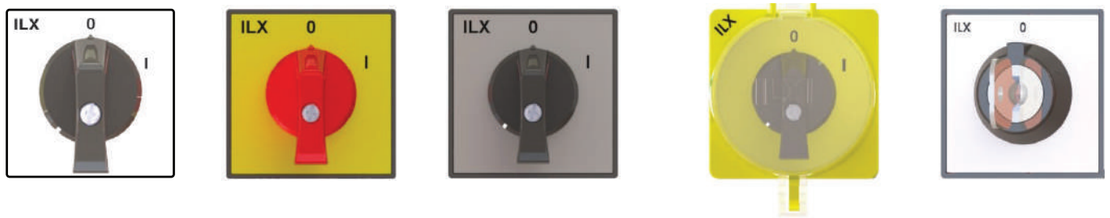
F07: L-L+L-N VOLTMETER SELECTOR



L3L1		X			X	
L2L3		X	X			
L1L2				X	X	
0						
L1N					X	X
L2N			X			
L3N	X					X

FRONT PLATE AND HANDLE TYPES

Type	Non Stop Handle	Lockable Handle Transparent Cover	Key Handle



PWB PYR PGB BYB KW0

Code	PWB	PYR	PGB	BYB	KW0
Front Plate Colour	White	Yellow	Grey	Yellow	White
Handle Colour	Black	Red	Black	Black	Metalic

Type	Round Padlockable Handle	Padlockable Handle	Round Padlockable Handle No Frame



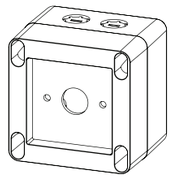
LGB LYR LYB YYR ZYR

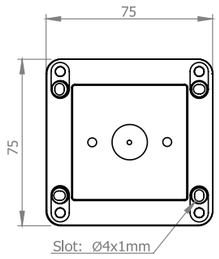
Code	LGB	LYB	LYB	YYR	ZYR
Front Plate Colour	Grey	Yellow	Yellow	Yellow	Yellow
Handle Colour	Black	Red	Black	Red	Red

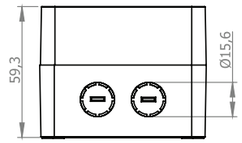
• İL-XBOX-L42 / İL-XBOX-P42



ENCLOSURE
DETAILS







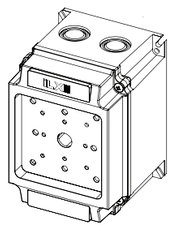
Protection	IP44*

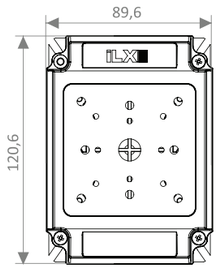
*Higher grades are available upon request.

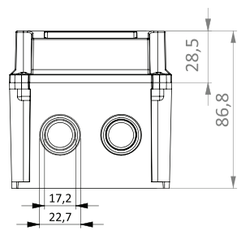
• İL-XBOX-L62



ENCLOSURE
DETAILS





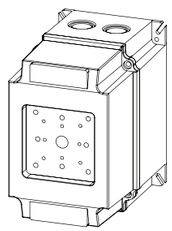


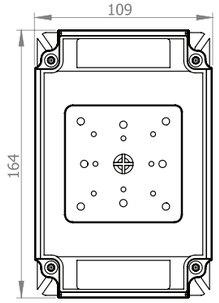
Protection	IP44*

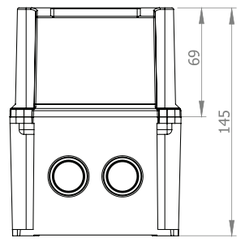
• İL-XBOX-L83



ENCLOSURE
DETAILS









Cam Switches Code Key

İL-XC4032-A01-PWB4D/OT

Switch Type
- **C** Cam Switches
- **D** Switch Disconnectors

Product Body Type
- **4** 48x48mm
- **6** 66x66mm
- **8** 80x80mm

Rated Thermal Current
- **010** 10A
- **016** 16A
- **020** 20A
- **025** 25A
- **032** 32A
- **040** 40A
- **050** 50A
- **063** 63A
- **080** 80A
- **100** 100A
- **125** 125A
- **160** 160A

Switching Function
- **A** On-Off
- **B** Reversing
- **C** Changeover
- **D** Star Delta (0-λ-Δ)
- **E** Stepping
- **ET** Gang
- **F** Voltmeter Selector
- **G** Ammeter Selector
- **I** Two Speed Motor
- **J** Welding Machine
- **K** Bypass

*Inquire for special requests.

**Switch Disconnectors (IL-XD4) can only be made with On-Off function.

Extra Options
- **OT** Open Terminal
- **L83** L83 Type Box
- **L83-TB** Repair Maintenance Switch with L83 Box

Mounting Type
- **D** Panel Door
- **B** Panel Base
- **R** DIN Rail
- **R3** DIN Rail with 30cm Extension
- **S** Locknut Mounting

Front Label Size
- **4** 48x48mm
- **6** 66x66mm
- **8** 80x80mm

Handle Color
- **B** Black
- **R** Red

Front Label Color
- **W** White
- **G** Gray
- **Y** Yellow

Handle Type

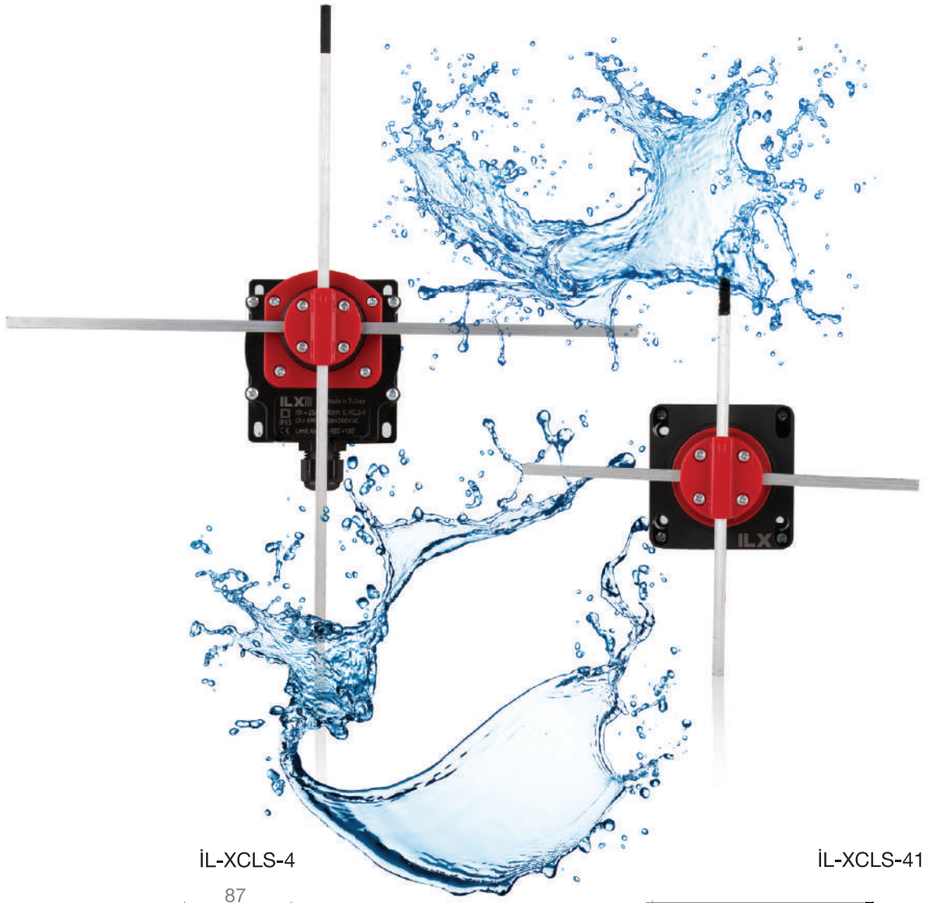
Refer to page 19 for details.

Switching Function (Cont.)

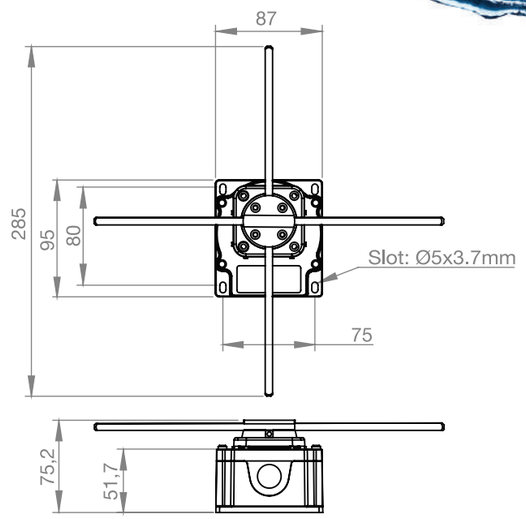
A (On-Off)	01-12	1-12 Poles
B (Reversing)	01	1 Phase Motor
	03	3 Phase Motor
C (Changeover)	01-06	1-6 Poles
D (Star-Delta)	03	3 Phase
F (Voltmeter Selector)	04	Phase-Phase
	07	Phase-Phase + Phase-Neutral
G (Ammeter Selector)	03	3 Phase
I (Two Speed Motor)	03	3 Phase **0-1-2**
	13	3 Phase **1-0-2**
	B03	3 Phase + Reversing
J (Welding Machine)	03-07	3-7 Poles
K (Bypass)	03	3 Step Bypass
	04	4 Step Bypass
E (Stepping) ET (Gang)	abc	a: 0=with 0 pos. 1=without 0 pos. b: number of poles c: number of steps

Cross Position Limit Switch

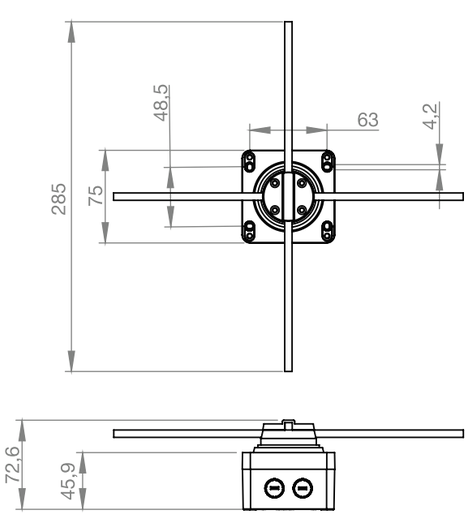
- Cross rotary limit switches with 285 mm rods
- According to IEC/EN 60947-3
- Ambient temperature : Operating -25° +55° C / Storage -30° +70° C
- Cable entry with PG13.5 cable gland
- Max limit ± 180°



İL-XCLS-4



İL-XCLS-41



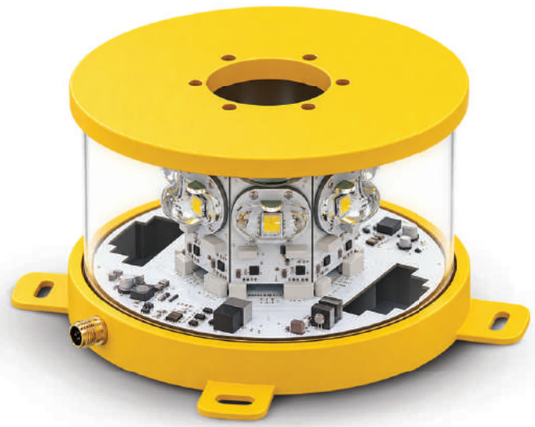
AIRCRAFT



ACF - L□R



ACF - L□R - SL□



ACF - M□R



ACF-BP



ACF-BD



ACF-B2R



ACF-MBT

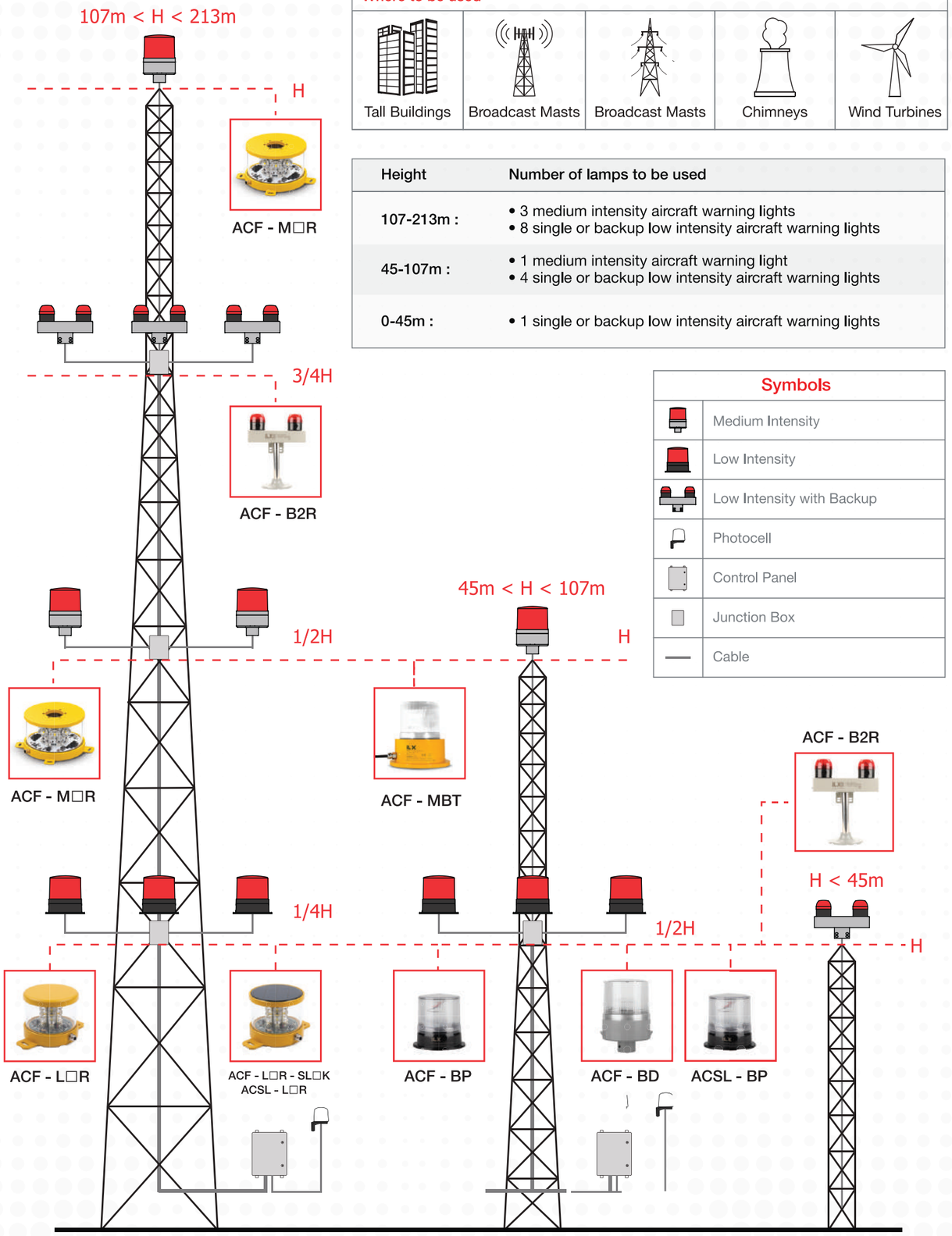
- Photocell integrated • Internal fault detection • Luminous intensity that exceeds the standards
- Internal backup LEDs provide continuous operation during a fault
- High efficiency: more light, less heat, less power consumption and a greener world

Model	İL-XACF-BP	İL-XACF-BD	İL-XACF-B2R	İL-XACF-MBT	ACF - L□R	ACF - L□R - SL□	ACF - M□R
Voltage	12-24VDC, 110-220VAC				24-48 VDC / 220 VDC-VAC	12-24VDC/48VDC 110-220VAC-VDC	24-48 VDC / 220 VDC-VAC
Power	4,3W		4,5W	48W	1W	1W	50W
Signal Type	Continuous / Flashing (20 fpm) / Strobe (60 fpm)			Flashing (20 fpm)	Flashing(20 fpm)	Flashing(20 fpm)	Type A - Flashing (20 fpm) Type B - Flashing (20 fpm) Type C - Steady
Luminous Source	Power LED						
Luminous Intensity	32cd (Type B)			2000 ± %25 cd (Type B)	10 cd (Type A) 32 cd (Type B)	10 cd (Type A) 32 cd (Type B)	Type A: Day : 20.000cd White Night : 2000cd White Type B: Night : 2000cd Red Flashing Type C: Night : 2000cd Red Continous
ICAO Conformity	Annex 14, Volume 1, Chapter 6						
Horizontal Beam Spread	360°						
Internal Backup	✓						✗
Dry Contact For Failure Alarm	✓						
Photocell Integrated	✓						
Lens Material	PC						
Housing Material	ABS	Aluminum	ABS+Steel	Aluminum	Aluminum	Aluminum	Aluminum
Mounting Type	Base Mount Wall Mount	Base Mount Wall Mount Tube Mount	Tube Mount	Base Mount	Base Mount Wall Mount	Base Mount Wall Mount	Base Mount Wall Mount
Protection	IP65						
Warranty Period	2 years						
Weight Approx (kg)	0.32	1	1.7	1.7	3	3	7.5
Dimensions (mm)	Ø140x137	Ø118x176	94x255x177	Ø118x170a	Ø170x135	Ø170x135	Ø270x170

For ACF - L□R and ACF - L□R - SL□:
□ : A- Type A 10cd
B- Type B 32cd

For ACF - M□R
□ : Type A: Day : 20.000cd White / Night : 2000cd White
Type B: Night : 2000cd Red Flashing
Type C: Night : 2000cd Red Continous

For ACF - L□R - SL□:
□ : 24 - 12-24VDC
48 - 48VDC
22 - 110-220VAC-VDC



Where to be used				
Tall Buildings	Broadcast Masts	Broadcast Masts	Chimneys	Wind Turbines

Height	Number of lamps to be used
107-213m :	• 3 medium intensity aircraft warning lights • 8 single or backup low intensity aircraft warning lights
45-107m :	• 1 medium intensity aircraft warning light • 4 single or backup low intensity aircraft warning lights
0-45m :	• 1 single or backup low intensity aircraft warning lights

Symbols	
	Medium Intensity
	Low Intensity
	Low Intensity with Backup
	Photocell
	Control Panel
	Junction Box
	Cable

TURKISH MADE

DISCOVER **POTENTIAL** AND **QUALITY**

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Ümraniye / İstanbul / TÜRKİYE

Production Facilty:
Ferhatpaşa Mah. 27. Sk No:40 - 42
Ataşehir / İstanbul / TÜRKİYE

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