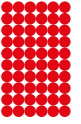


SINCE
19
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iLX 

Product Catalog | 2025




TURKISH MADE

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



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



TURKISH MADE



ILXENGINEERING

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.

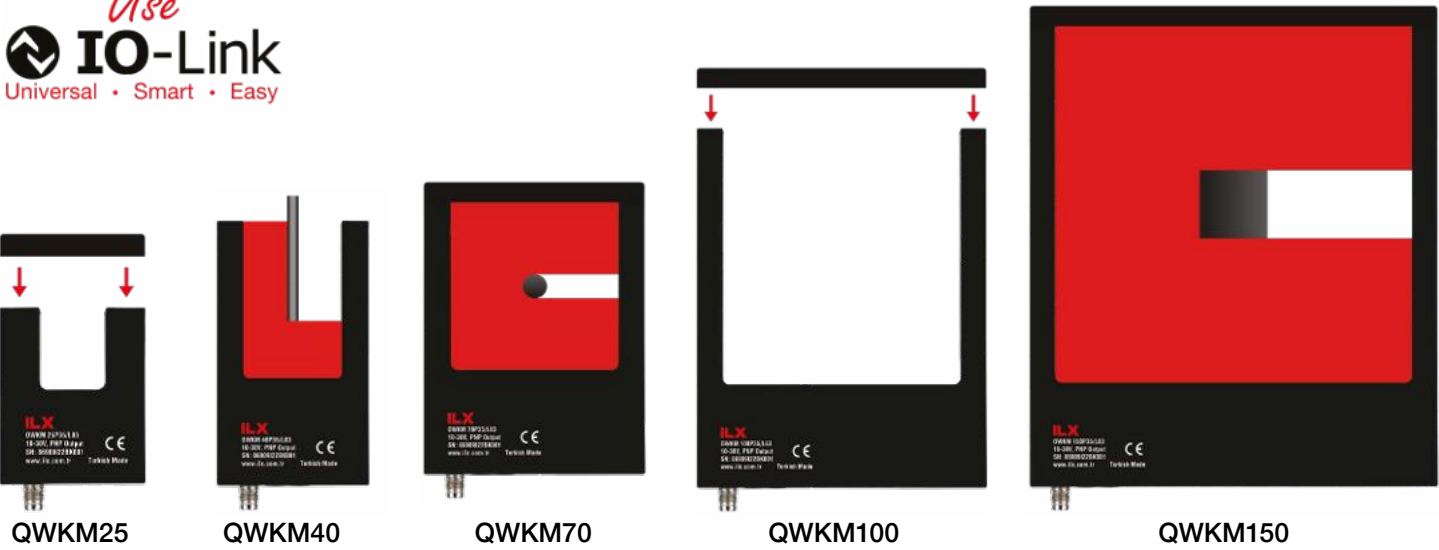
Our vision is to export our products worldwide and make ILX an international brand. To realise this vision, we strive to satisfy every demand from the industry, from simple to large-scale industrial applications, with our experienced team of sales engineers and provide 7/24 technical support.

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 Türkiye, every customer can be served through the nearest location.

To achieve our goals and lead the competition, we consistently 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 continuously work to achieve this goal and to become the solutions provider of tomorrow's needs.

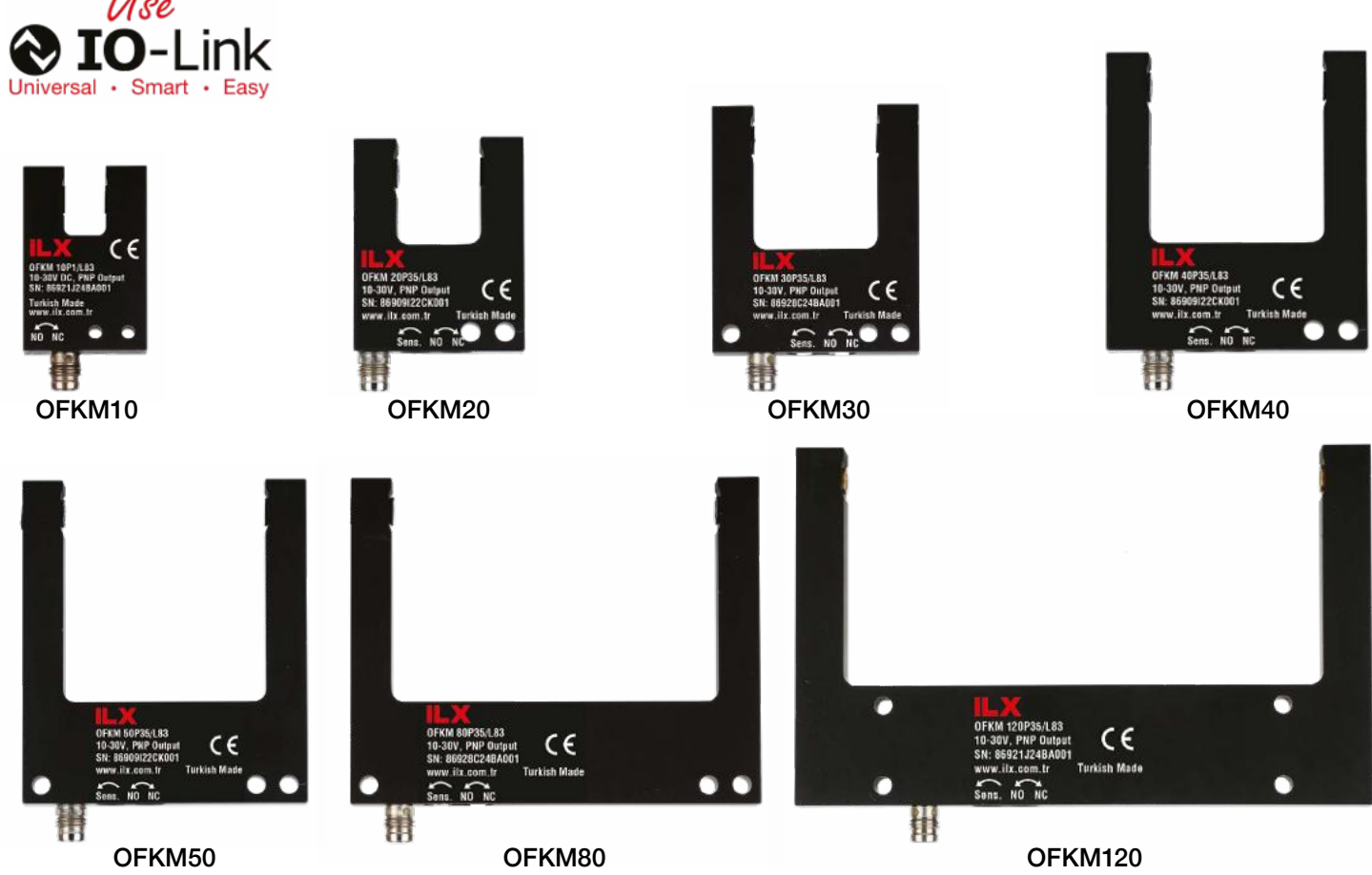


OWKM Series Frame Sensors

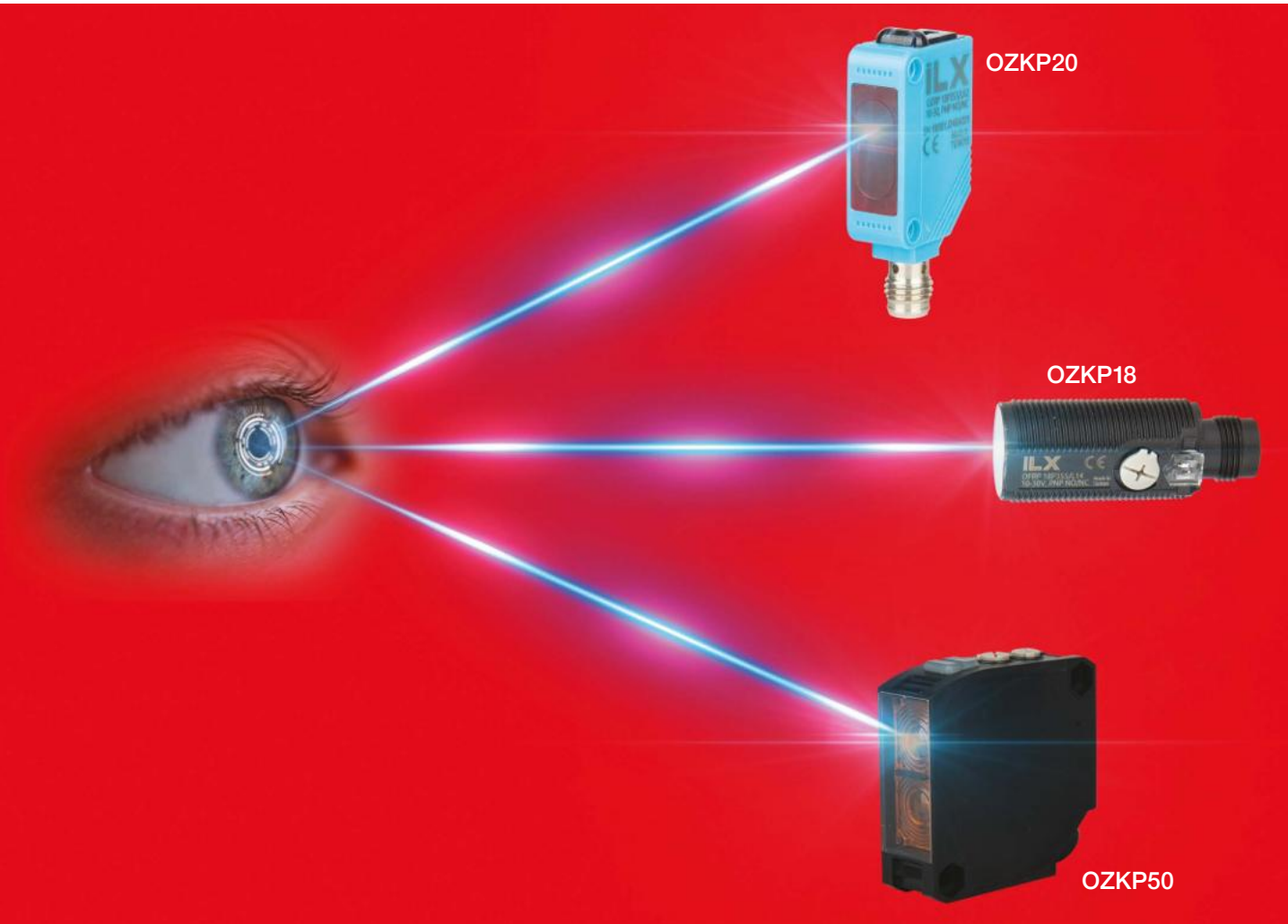


Model	OWKM25	OWKM40	OWKM70	OWKM100	OWKM150
Rated Operation Voltage	18 ... 30 V DC				
Resolution	Ø1.0 mm (static), Ø0.7 mm (dynamic)	Ø1.0 mm (static), Ø0.7 mm (dynamic)	Ø2.0 mm (static), Ø1.5 mm (dynamic)	Ø3.0 mm (static), Ø2.5 mm (dynamic)	Ø 5.0 mm (static), Ø 3.0 mm (dynamic)
Output Type	PNP/NPN (Factory 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, Shadowing				
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				

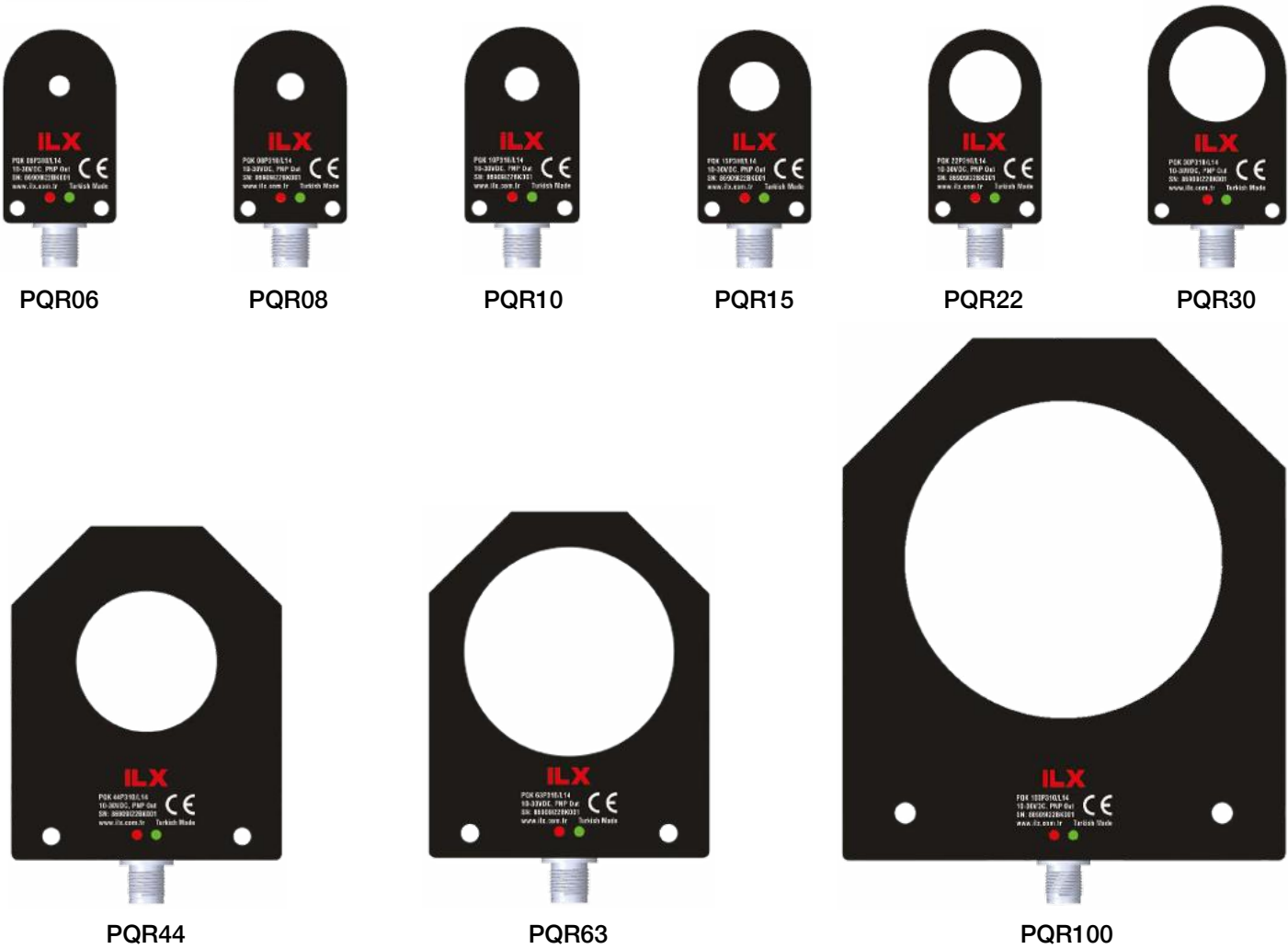
OFKM Series Fork Sensors



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



Model	OZKP18	OZKP20	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 (Factory Set)
Interface	IO-Link		
Sensitivity	Adjustable		
Max Load Current	120mA		3A
Material	ABS		
Emitted Light	Red LED 624nm	Red LED 624nm	Infrared Led 820nm
Max. Output Switching Freq.	500 Hz		
Connecion	Cablo or M8 3 Pin Male Connector		Cable
Protection	IP65		
Operation Temperature	-25...+60°C		
Dimensions (mm)	Ø18x45	47x21x11	50x51x18



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	Ø0,8mm	Ø1mm	Ø1.8mm			
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

D Series Multi Mountable Switches

Ease of use: Extension shaft allows the switch to be actuated from a distance. Knob makes it easier to apply the moment to the switch for on-off operation.

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

Reliable structure: ILX extended shaft switches are made from robust and rigid materials, which increases the product lifetime and ensures a 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 are a useful solution, particularly if the switch is in a hard-to-reach area.

Easy installation: ILX cam switches are easy to install and equipped with robust terminals that make strong connections possible.

Material Quality: Choice of materials determine the lifetime and reliability of a product. ILX switch housings are manufactured with high quality plastics. Metal parts are made with corrosion resistant materials.

User friendly: Switch design allows flexible design in panels and allows the user to save space.

Lockable: Prevents unauthorized access to hazardous areas.

Accessories: Rich variety of accessories allow solutions in many applications.



Back Panel and Rail Mountable Switches

Back Panel Mount: Switch can be easily installed on or removed easily from the panel.

Lockable: Prevents unauthorized access to hazardous areas.

Space saving: These switches save space thanks to their compact and modular structure. Close installation of many cam switches is possible.

Easy access: Rail mount switches are easy to change and maintain. They can be quickly snapped on and off the rail, which makes maintenance and repair faster on field.

Flexibility: Product allows many different devices to be used on the same rail, which makes it easier to expand or reconfigure the system.

Reliability: ILX switches are made with high quality materials to ensure reliable operation in the long run.

Easy Installation: DIN rail mounted switches can be quickly snapped on and off without the use of any special tools, which makes installation and maintenance easier.



Back Panel Mountable Switches

Back Panel Mount: Switch can be easily installed on or removed from the panel. It's structure allows more space-saving and tidy layouts inside the electrical panel. ILX back panel mountable switches are preferred in systems where aesthetic layouts and high reliability is of particular importance.

Applications: Used widely in factories, assembly lines and other industrial applications, where tidiness and safety is critical.

Visually pleasing: More of the switch stays behind the panel door, which helps create cleaner work environments.

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



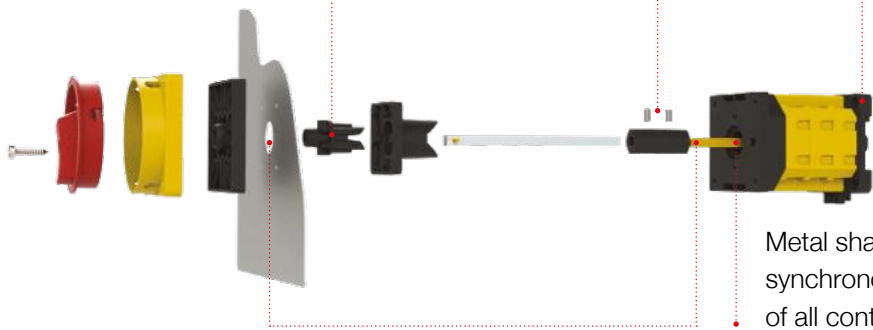
On position
Panel door is locked



Robust Plastics
Rear Mounted Interlock Plate

Shaft Attachment Part

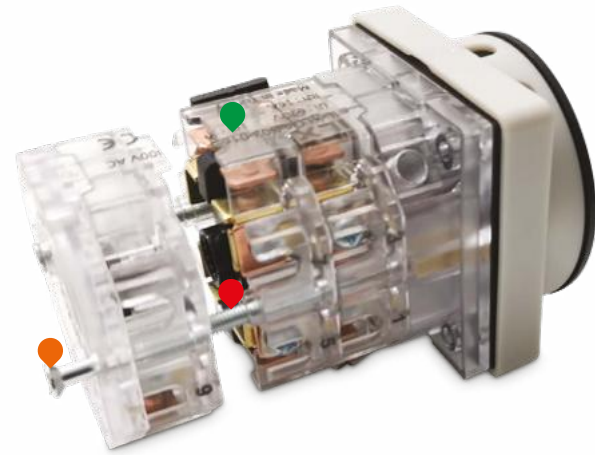
Mounting Variety
Can be mounted on surfaces or DIN rail.



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.

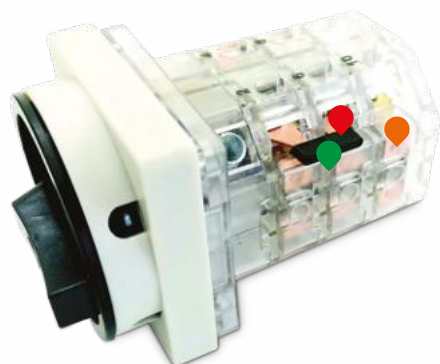


Aesthetics and Durability are at the Forefront

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

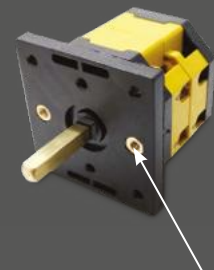
The Best in Electrical Conductivity



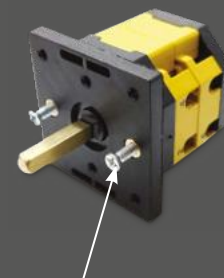
The metals with the best electrical conductivity are copper and silver. Owing to Silvers high current permability, thermal strength, and its resistance to corrosion, the contacts of our cam switch are silver covered. Therefore, in case of possible instantaneous high current, contacts do not stick and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

- Copper Bridge
- Silver Contact
- Insulation of Bridge

Mountability and Durability



Non-deforming mounting feature with M4 nuts



High clamping strength with M4 bolts



Ability to be mounted on thick surfaces

Laser Marking

Although 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 ILX 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.



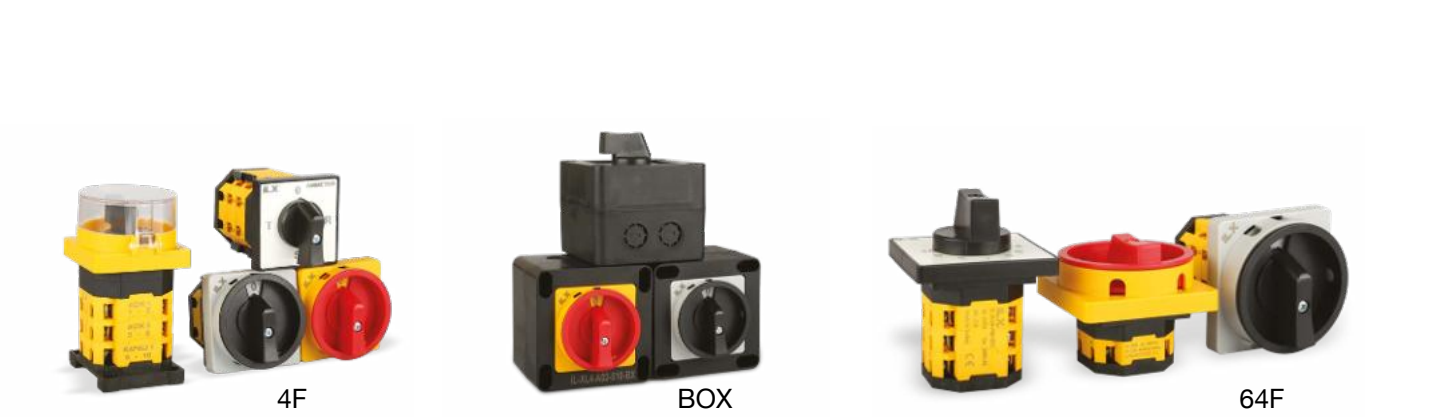
User-Friendly

One of the advantages of ILX switches is that, while assembling the shaft of the crank handle, no additional parts or special screws are required.

During the assembly and disassembly of the crank handle, deforming is out of question.



Cam Switches



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	12	16
Frequency	Hz	50/60	50/60

RATED OPERATING CURRENT Ie: alternate current					
AC-21A Switching resistive loads (p) with light overloads		690V	A	12	16
AC-22A Switching mixed resistive and inductive loads at light overloads		690V	A	12	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
		230V	A/Kw	10/3	13/4
	3 phase - 3 Pole	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

Cam Switches



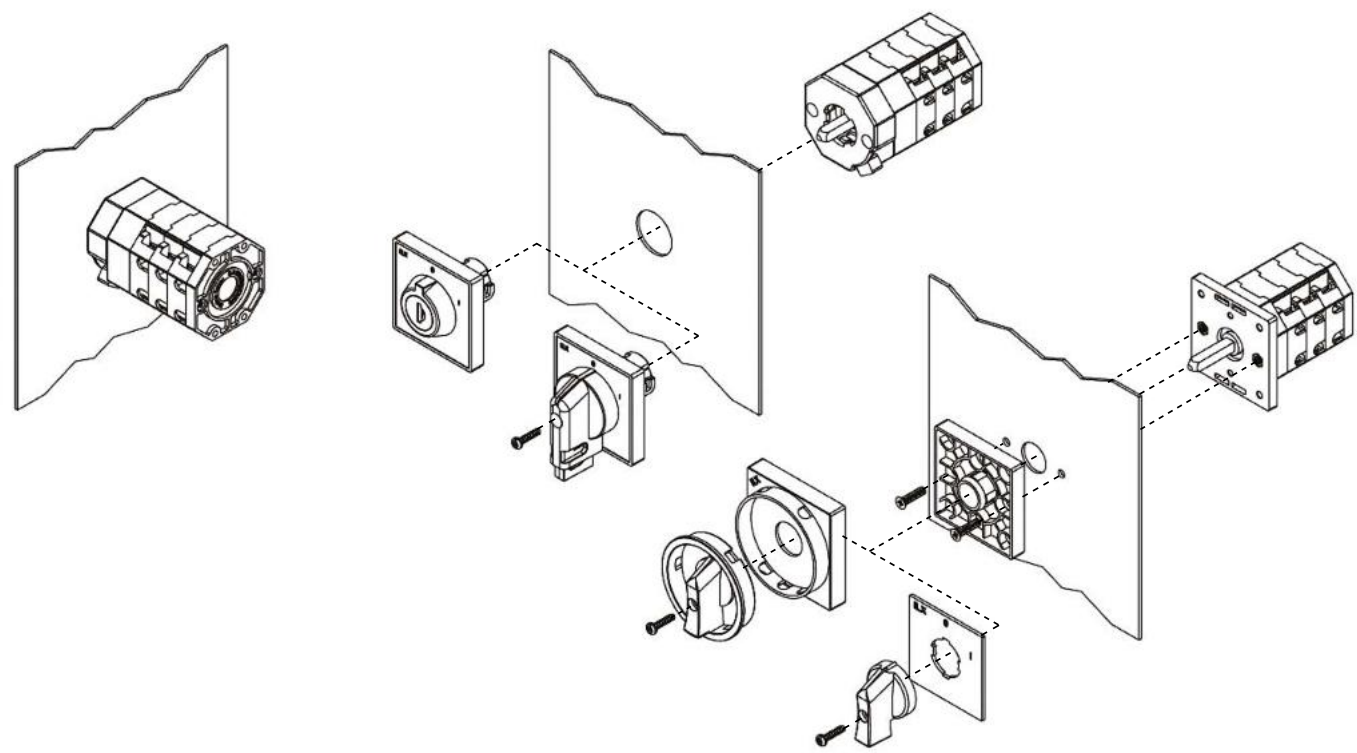
4F-20A	4F-25A	4F-32A	4F-40A	6F-40A	6F-63A	6F-80A	6F-100A	8F-100A	8F-125A	8F-160A
690	690	690	690	690	690	690	690	690	690	690
690	690	690	690	690	690	690	690	690	690	690
4	4	4	4	4	4	4	4	6	6	6
25	32	40	50	50	85	100	125	125	150	160
20	25	32	40	40	63	80	100	100	120	120
50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60

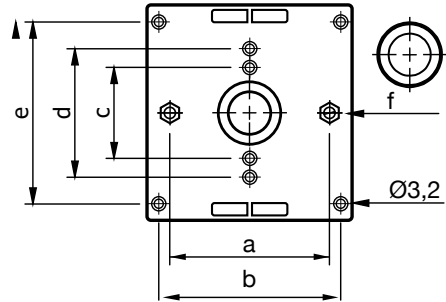
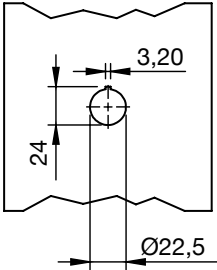
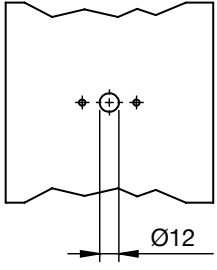
RATED OPERATING CURRENT Ie: alternate current										
20	25	32	40	40	63	80	100	100	125	160
20	25	32	40	40	63	80	-	-	-	-
18/2	25/2.2	30/2.5	35/3	35/3	45/4	63/5.5	-	-	-	-
18/4	25/4.5	30/5.5	35/6.5	35/6.5	45/7.5	63/11	70/13	70/13	-	-
16/5	25/7.5	30/9	35/11	35/11	50/15	58/18.5	94/30	94/30	140/45	173/55
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	500	500	500	500	1200	1200	2000	2000		-
1200	2840	2840	2840	2840	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



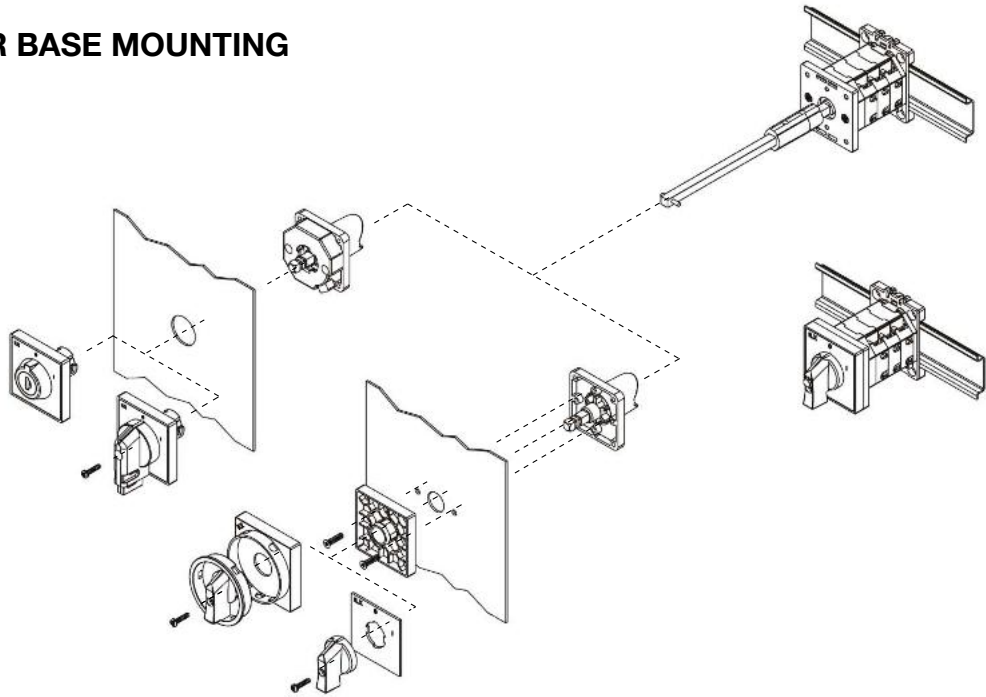
Panel Central Hole Dimensions		Switch Mounting Dimensions																																		
Mounting Without Screw	Mounting With Screw																																			
		<table><tr><th>Switch Body Type</th><th>a</th><th>b</th><th>c</th><th>d</th><th>e</th><th>f</th></tr><tr><td>4F</td><td>34</td><td>36</td><td>30.7</td><td>-</td><td>36</td><td>M3,5</td></tr><tr><td>6F</td><td>48</td><td>52</td><td>34</td><td>42</td><td>52</td><td>M4</td></tr><tr><td>8F</td><td>60</td><td>68</td><td>34</td><td>48</td><td>68</td><td>M4</td></tr></table>							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
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

Technical drawing of a square frame with dimensions a-i and diameters Ø12 and Ø4. The drawing shows a square frame with a central circular hole of diameter Ø12. The frame has four mounting points, each with a hole of diameter Ø4. The dimensions are defined as follows: a is the distance from the center of the frame to the center of the mounting holes; b is the distance from the center of the frame to the outer edge of the mounting holes; c is the distance between the centers of the mounting holes; d is the distance between the outer edges of the mounting holes; e is the distance between the outer edges of the mounting holes; f is the distance from the center of the frame to the center of the mounting holes; g is the distance from the center of the frame to the outer edge of the mounting holes; h is the distance from the center of the frame to the outer edge of the mounting holes; i is the distance from the center of the frame to the outer edge of the mounting holes.

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

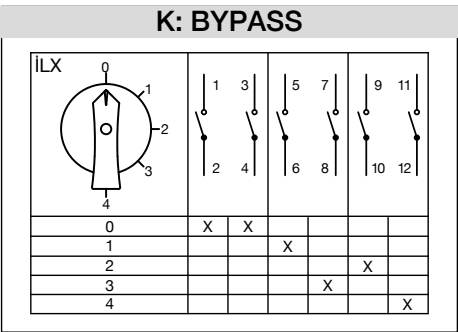
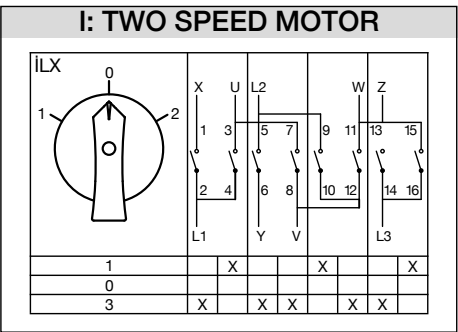
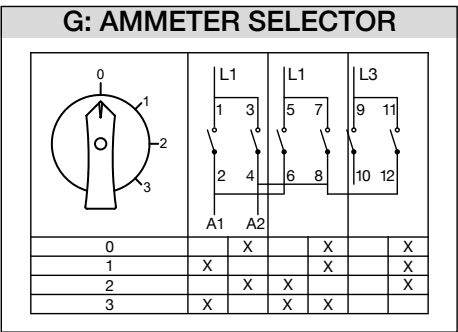
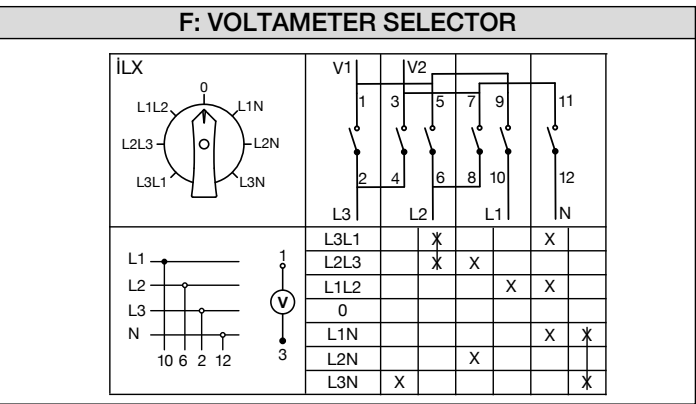
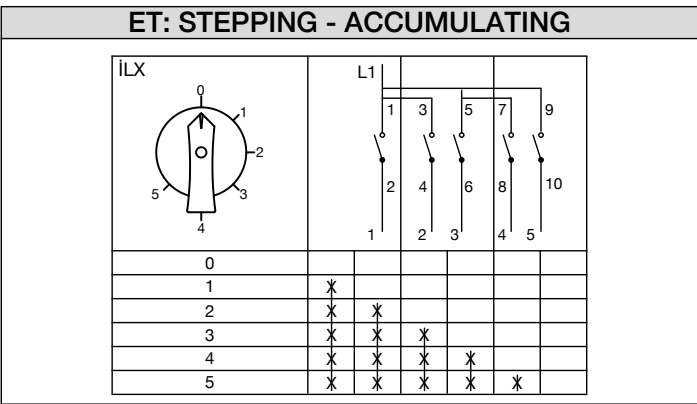
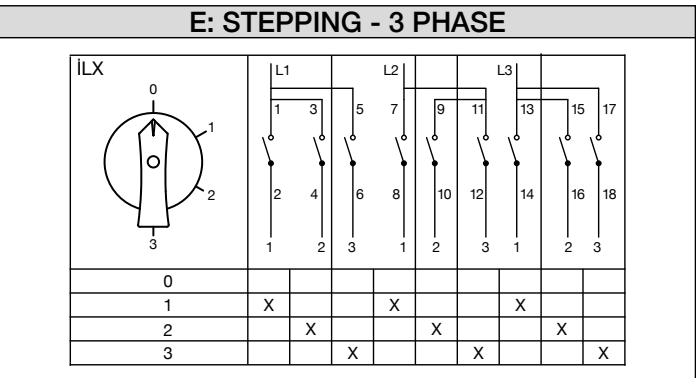
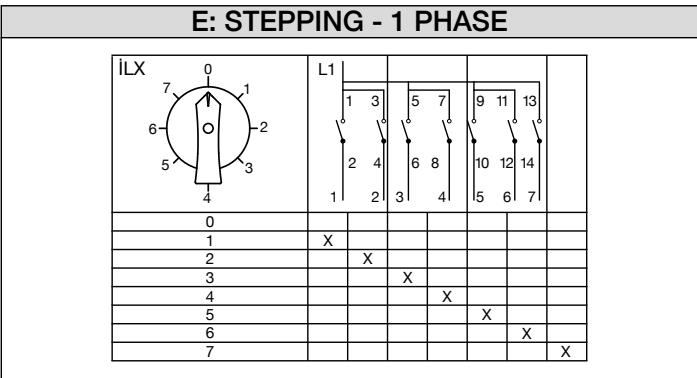
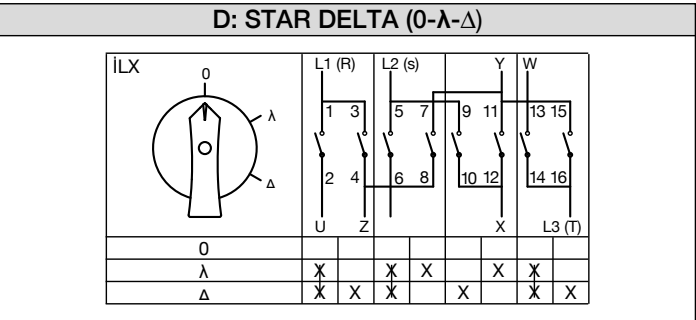
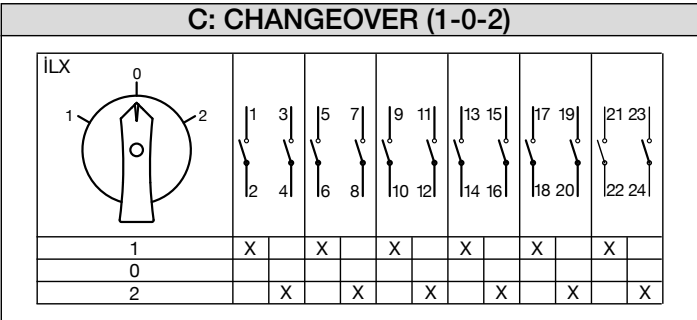
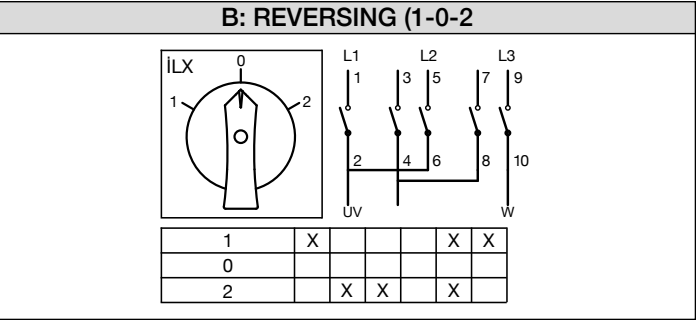
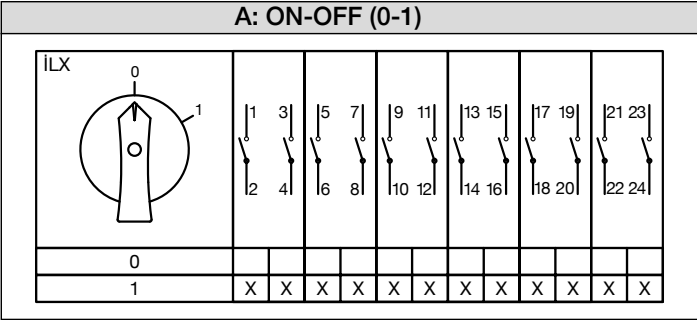


Base Mounting Dimensions						
	Switch Body Type	a	b	c	d	e
	4F	44	34	33	60	45
	6F	65	48	54	74	55
	8F	76	60	66	91	68

Panel Central Hole Dimensions		Ext. Shaft Body Dimensions	Extension Shaft Dimensions
Mounting Without Screw	Mounting With Screw		Inquire for special dimensions.

Cam Switches Dimensions												
	Switch Body Type	Suitable for (Ampere)	a		b		c	d	e	f	g	h
			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
	6	40 to 80	27,4	23,3	8	10	20,3	18,2	8,2	66	66	65

CONNECTION DIAGRAM



FRONT PLATE AND HANDLE TYPES

Type	Non Stop Handle			Lockable Handle Transparent Cover	Key Handle
Picture					
Code	P	PSK	PG	B	BK
Front Plate Colour	White	Yellow	Grey	Yellow	White
Handle Colour	Black	Red	Black	Black	Metallic

Type	Round Padlocable Handle			Padlocable Handle	Round Padlocable Handle No Frame
Picture					
Code	GL	L	LS	Y	Z
Front Plate Colour	Grey	Yellow	Yellow	Yellow	Yellow
Handle Colour	Black	Red	Black	Red	Red

ENCLOSURE DETAILS

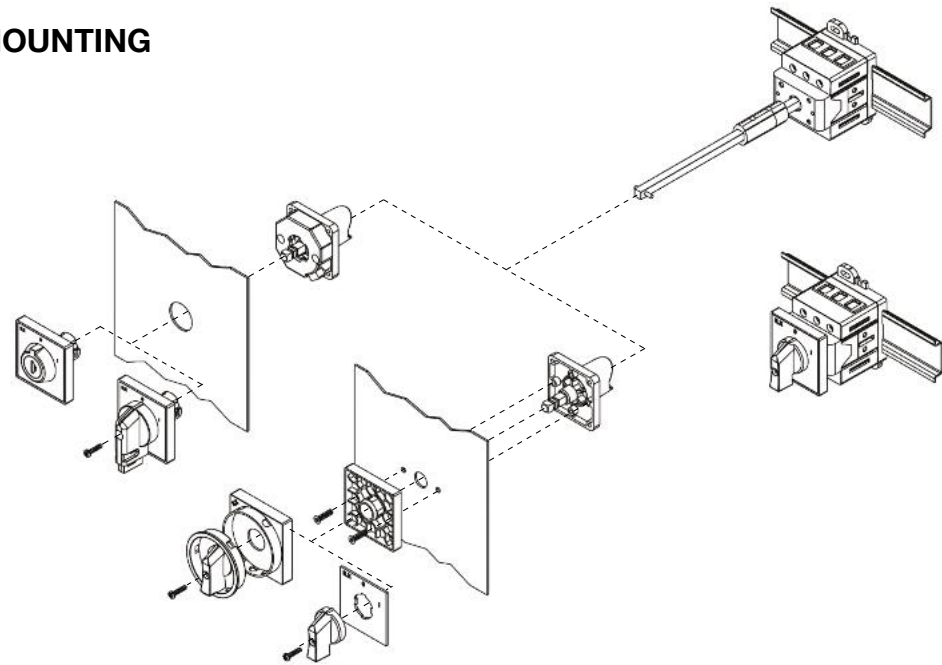
iL-XTB-BOX

Protection IP65

iL-XL42-BOX

Protection IP65

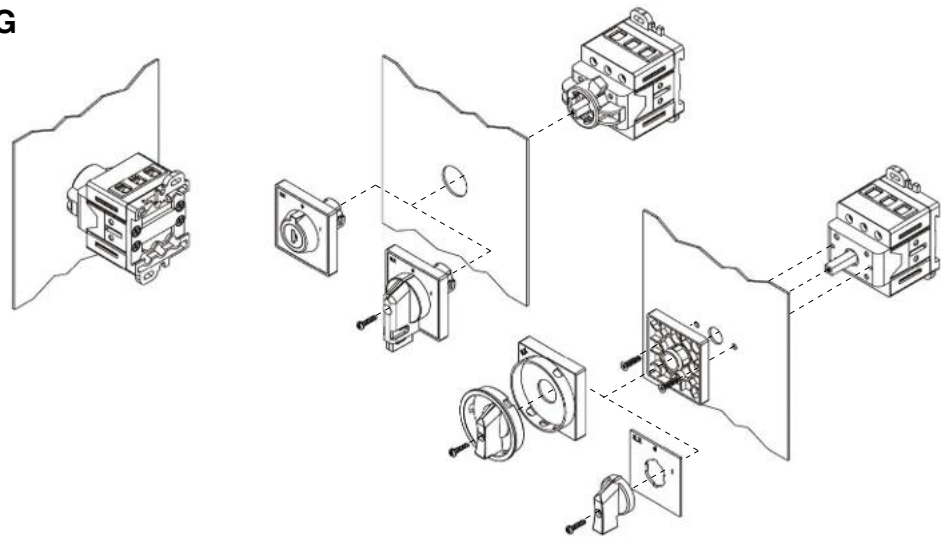
RAIL OR BASE MOUNTING



Panel Central Hole Dimensions		Ext. Shaft Body Dimensions	Base Mounting Dimensions
Mounting Without Screw	Mounting With Screw		

Extension Shaft Dimensions
Inquire for special dimensions.

PANEL MOUNTING



Panel Central Hole Dimensions		Frame Dimension	Switch Mounting Dimensions
Mounting Without Screw	Mounting With Screw		

TECHNICAL DATA - ELECTRICAL RATINGS

Code			iL-...-025	iL-...-032	iL-...-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

Technical drawings of the switch showing dimensions:

- Front View (Left):** Dimensions include 11, 36, 8, 55, and 52.
- Top View (Middle):** Dimensions include 11, 36, 8, 55, and 52.
- Side View (Right):** Dimensions include 11, 36, 8, 55, and 52.

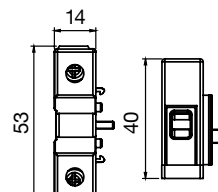
Frame Type	Suitable For (Ampere)	a		b		c	d
		L Type	L Type	L Type	L Type		
4	25, 32, 50*	20,6	17	7,5	9	48	48
6		27,4	23,3	8	10	66	66
8		27,4	23,3	8	10	80	80

* Inquire for other ampere values.

Connection Diagram

Connection diagram showing terminal 0 connected to 1, 2, 3, 4, 5, and 6.

ADDITIONAL POLES DETAILS

Dimensions	
	

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

İL - XCA6 - 4R3 - C110 - 025

PRODUCT TYPE

- C** Cam Switches
D Disconnecter Switches

FRONT PLATE & HANDLE TYPE

- A** Round Padlockable Handle (Plate: Yellow, Handle: Red)
- B** Round Padlockable Handle (Plate: Yellow, Handle: Black)
- C** Padlockable Handle (Plate: Yellow, Handle: Red)
- D** Key Handle (Plate: White, Handle: Metallic)
- E** Round Padlockable Handle (Plate: Grey, Handle: Black)
- F** Non Stop Handle (Plate: Grey, Handle: Black)
- G** Lockable Handle Transparent Cover (Plate: Yellow, Handle: Black)
- H** Non Stop Handle (Plate: White, Handle: Black)
- I** Non Stop Handle (Plate: Yellow, Handle: Red)
- J** Padlockable Handle Non Frame (Plate: Yellow, Handle: Red)

FRONT PLATE DIMENSIONS

- 4 48x48mm
6 66x66mm
8 80x80mm

PRODUCT BODY DIMENSIONS

- 4 48x48mm
6 66x66mm
8 80x80mm

MOUNTING TYPE

- B** Panel
- D** Base
- R** Din Rail
- R3** Rail or Base (Extension shaft 300 mm)
- S** Mounting without screw

Disconnecter switches can be made only ON-OFF function type

THERMAL CURRENT

- | | |
|-----|------|
| 10 | 10A |
| 16 | 16A |
| 20 | 20A |
| 25 | 25A |
| 32 | 32A |
| 40 | 40A |
| 50 | 50A |
| 63 | 63A |
| 80 | 80A |
| 100 | 100A |
| 125 | 125A |
| 160 | 160A |

NUMBER OF POLES

- 1 1 poles
- 2 2 poles
- 3 3 poles
- 4 4 poles
- 5 5 poles
- 6 6 poles

*Number of poles may increase

SCALE TYPE

- 0** Zero On The Scale
1 Non Zero On The Scale

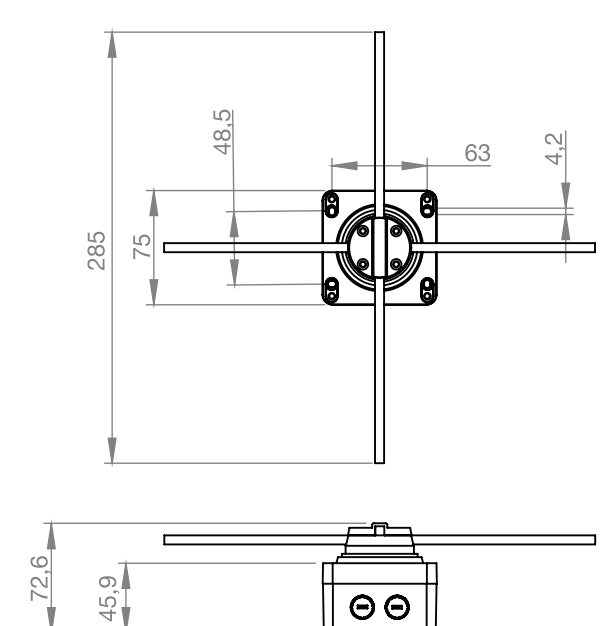
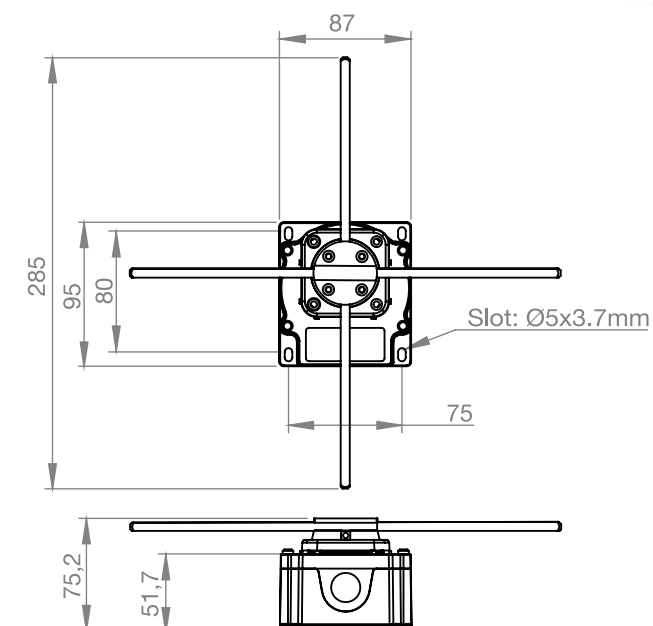
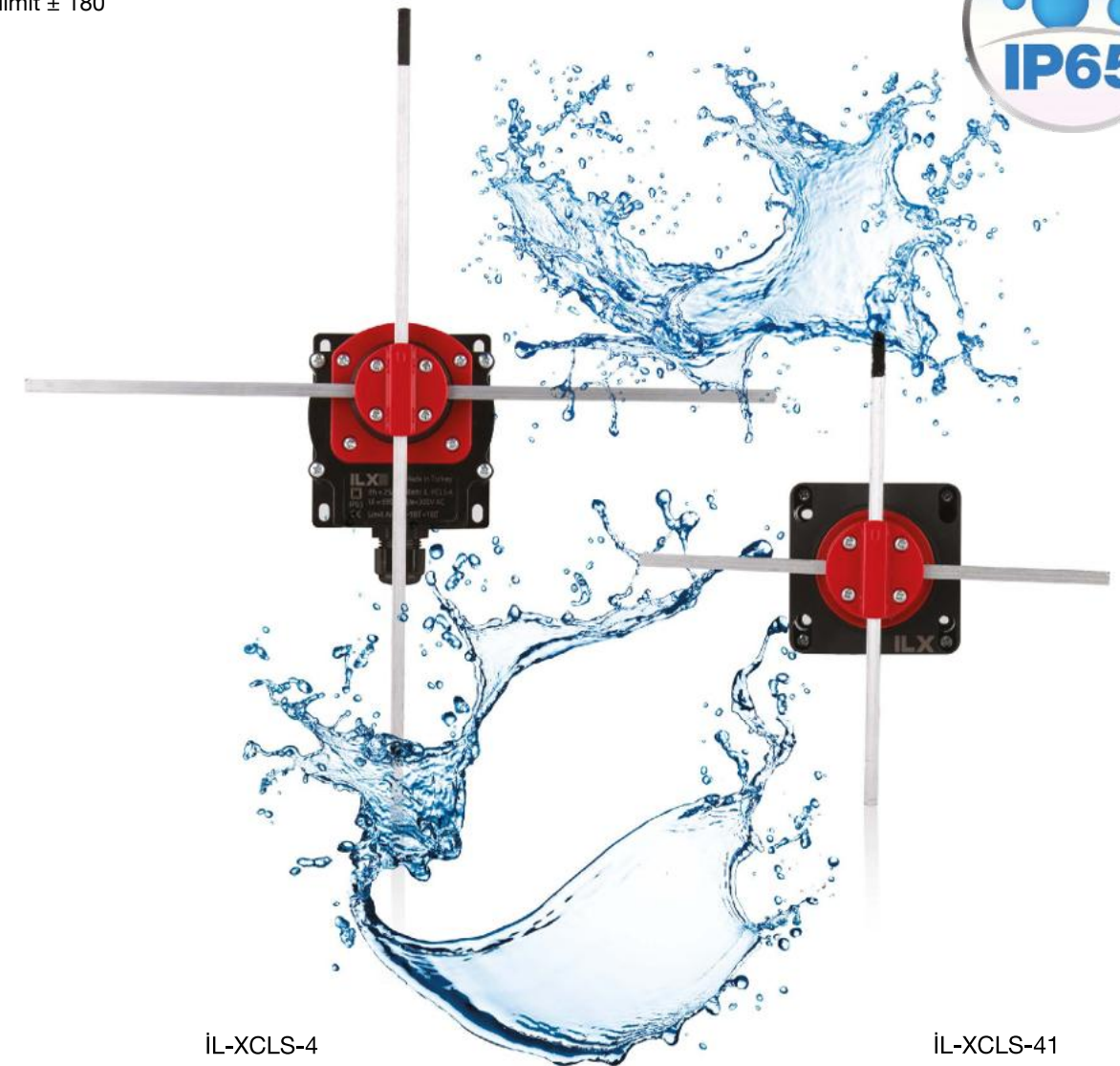
FUNCTION TYPE

- A** On-Off
- B** Reversing
- C** Changeover
- D** Star Delta (0-λ-Δ)
- E1** Single Phase Stepping
- E3** 3 Phase Stepping
- F** Voltmeter Com.
- G** Ammeter Com.
- H** Gang Switches
- I** Two Speed Motor
- J** Welding Machine
- K** By-Pass
- ET1** Single Phase Stepping-Accumulating
- ET3** 3 Phase Stepping-Accumulating
- AY** On-Off with Spring Return

*Inquire for special switches.

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 $\pm 180^\circ$



1 BODY 3 or 5 or 7 COLORS



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 PG13,5 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.



Model	iL-XPL22	iL-XPL50-T	iL-XPL50-S	iL-XPL50-P	iL-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

Ø50 PM5 SERIES

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						
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-XKT1, İL-XKT2, İL-XKT3, İL-XKL, İL-XKL1, İL-XKL2, İL-XKL3, İL-XKD, İL-XKD1, İL-XKD2, İL-XKD3, İL-XML, İL-XML1, İL-XML2, İL-XML3						-

Ø50 PROFESSIONAL



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

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-XKT1, İL-XKT2, İL-XKT3, İL-XKL, İL-XKL1, İL-XKL2, İL-XKL3, İL-XKD, İL-XKD1, İL-XKD2, İL-XKD3, İL-XML, İL-XML1, İL-XML2, İL-XML3				

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-XKT1, İL-XKT2, İL-XKT3, İL-XKL, İL-XKL1, İL-XKL2, İL-XKL3, İL-XKD, İL-XKD1, İL-XKD2, İL-XKD3, İL-XML, İL-XML1, İL-XML2, İL-XML3				

MM7

- 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	iL-XMM7-..1	iL-XMM7-..2	iL-XMM7-..3	iL-XMM7-..4	iL-XMM7-..5	iL-XMM7	iL-XMM7-24.
Voltage	12-24VDC, 110-220VAC						24VDC
Power	Max. 2W per color, 0,5W buzzer					1W	2W
Input Type	PNP						
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	iL-XKT, iL-XKT1, iL-XKT2, iL-XKT3, iL-XKL, iL-XKL1, iL-XKL2, iL-XKL3, iL-XKD, iL-XKD1, iL-XKD2, iL-XKD3, iL-XML, iL-XML1, iL-XML2, iL-XML3						-

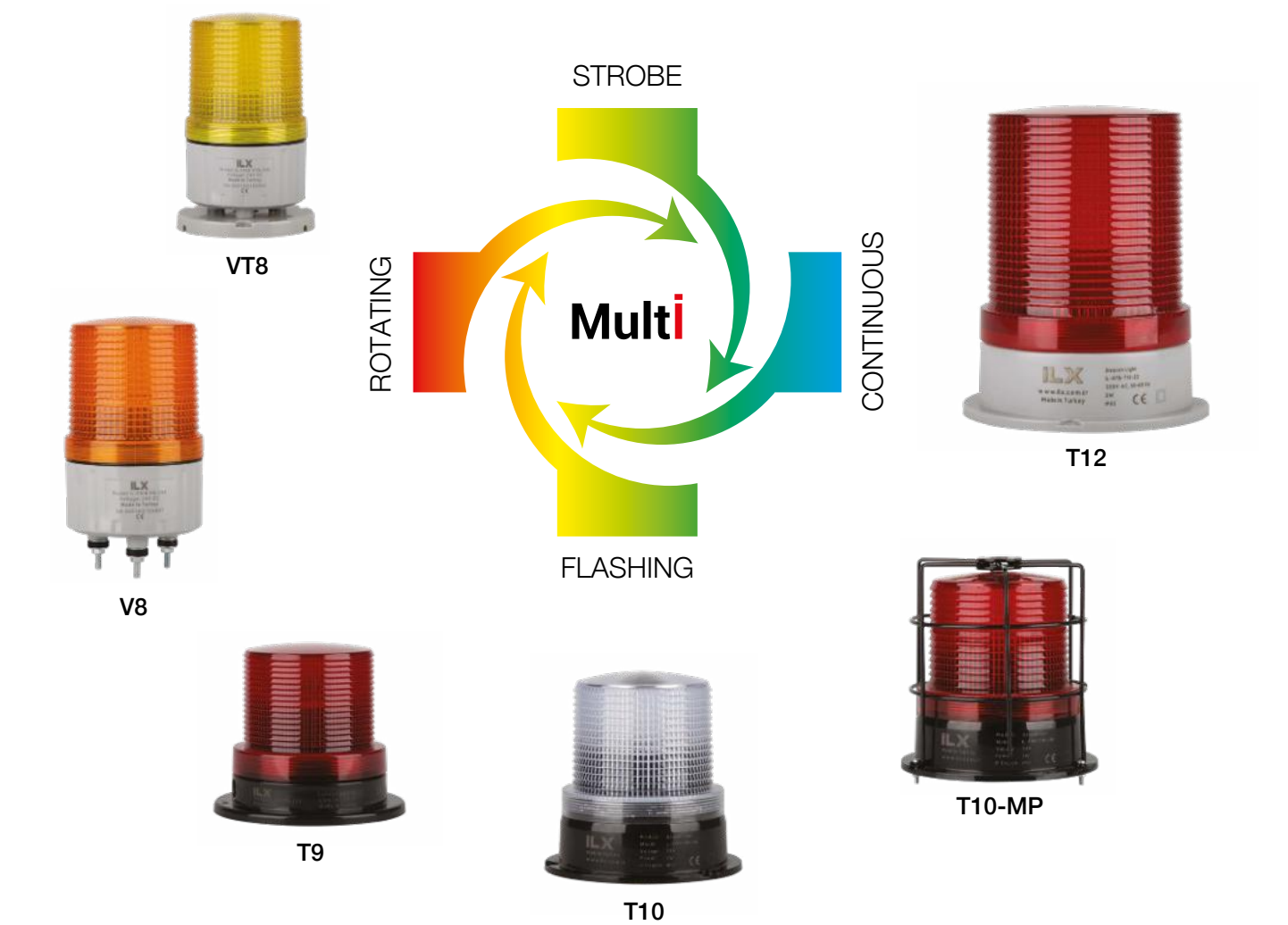


Model	İL-XB-QH	İL-XB-BH	İL-XMB-QH	İL-XMB-BH/ MB-BH-1	İL-XMB- BH-2	İL-XMB- BH-3	İL-XEMB-B	İL-XEMB-Q
Voltage	12-24/48VAC/DC,, 110-220VAC						24VAC/DC, 48-220VAC	
Power	0,5W		Max. 3W per color, 0,5W buzzer					
Input Type	-				PNP/NPN (Factory Set)		-	
Luminous Source	-		LED					
Signal Type	-		Multi (Continuous/Flashing/Strobe/Rotate)				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

FROM 60Ø TO 120Ø



Model	iL-XF7	iL-XT6/R6	iL-XT6K/R6K	iL-XT7K/R7K/V7K	iL-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



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 and ABS housing



iL-XHP-B1K Series



Stackable easy assembly

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	iL-XHP-K	iL-XHP-BK	iL-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-K



HD-BK



HD-B1K



HD-B1



HD-B



S1-22B



S2-22B



S3-22B



S4-22B



S5-22B

Model	İL-XHD-K	İL-XHD-BK/ B1K	İL-XHD-B/B1	İL-XS1-22B	İL-XS2-22B	İL-XS3-22B	İL-XS4-22B	İL-XS5-22B
Voltage	12-24 VAC/VDC / 220 VAC			220 VAC				
Power	4W	12W	10W	150W	200W	280W	500W	750W
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		105	110	115	120	130
Motor Speed (RPM)	-			16.000	12.000	8.000	6.000	4.500
Rated Time	-			5 min.				
Protection	-			IP40		IP44		
Weight Approx	1.26 kg	2.9 kg	1.6 kg	2.60 kg	2.75 kg	5.60 kg	13.14 kg	13.31 kg
Dimensions (mm)	140x210	BK: 214x135x306 B1K:130x123x300	B: 145x145x214 B1: 131x131x113	136x222	157x258	362x376	362x435	362x510
Mounting	Base-mount, Wall-mount, Tube mount	Wall Mounted		Base-mount with screw,				
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.



Model	İL-XACSL-BP	İL-XACSL-BD	İL-XSL510
Solar Cell Capacity	1W		5W
Battery Capacity	3.2V 2000mAh		3.2V 5000mAh
Luminous Source	Power LED		
Luminous Intensity	32cd (Type B)		10cd / 32cd (Type B)
Signal Type	Strobe (20fpm)		Continuous / Strobe (20fpm)
Color	Red (ICAO Standard)		
Horizontal Beam Spread	360°		
Photocell Integrated	✓		
Lens Material	PC		
Housing Material	ABS	Aluminum	ABS+Steel
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
Mounting Type	Base Mount Wall Mount	Base Mount Wall Mount Tube Mount	Base Mount Tube Mount
Connection	Cable		
Protection	IP65		
Weight approx (kg)	0.36	1	6.5
Dimensions (mm)	Ø140x137	Ø118x176	486x255x272
Compatible Apparatus	L-XKL-ACF	İL-XKL-ACF / İL-XKT-ACF / İL-XKT1-ACF / İL-XKT2-ACF / İL-XKT3-ACF	-

AIRCRAFT

- 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 electricity and a greener world



Model	İL-XACF-BP	İL-XACF-BD	İL-XACF-B2R	İL-XACF-MBD-24	İL-XACF-MBD-220
Voltage	12-24VDC, 110-220VAC			24VDC	220VAC
Power	4,3W		4,5W	60W	48W
Signal Type	Continuous / Flashing (20 fpm) / Strobe (160 fpm)			Flashing (20fpm)	
Luminous Source	Power LED				
Luminous Intensity	32cd (Type B)			2000 ± %25 cd (Type B)	
ICAO Conformity	Annex 14, Volume 1, Chapter 6				
Color	Red(ICAO Standard)				
Horizontal Beam Spread	360°				
Internal Backup	-	-	✓	-	-
Dry Contact For Failure Alarm	✓				
Photocell Integrated	✓				
Lens Material	PC				
Housing Material	ABS	Aluminum	ABS+Steel	Aluminum	
Mounting Type	Base Mount Wall Mount	Base Mount Wall Mount Tube Mount	Tube Mount	Base Mount Wall Mount Tube Mount	Base Mount Wall Mount Tube Mount
Connection	Cable				
Protection	IP65				
Warranty Period	2 years				
Weight Approx (kg)	0.32	1	1.7	1	3
Dimensions (mm)	Ø140x137	Ø118x176	94x255x177	Ø118x176	170x173x304
Compatible Apparatus	İL-XKL-ACF	İL-XKL-ACF / İL-XKT-ACF / İL-XKT1-ACF / İL-XKT2-ACF / İL-XKT3-ACF	-	İL-XKL-ACF / İL-XKT-ACF / İL-XKT1-ACF / İL-XKT2-ACF / İL-XKT3-ACF	İL-XKL-ACF

EASE OF USE

- iL-XUSB : Easy charging through USB
- iL-XJ : Can be charged through car power outlet
- iL-...-PL : Able to operate for 12 hours on battery
- iL-XF : Ability to sense day/night through on board photocell



Model	iL-XF-T9	iL-XUSB-T9	iL-..T9-PL	iL-XJ-T9	iL-XJ-T10	iL-XUSB-T10
Voltage	12-24VAC/DC, 110-220VAC	5VDC	12VDC			5VDC
Battery Capacity	-		3.2V 2000mAh	-		
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)	Ø90	Ø100				
Lens Material	PC					
Housing Material	ABS					
Buzzer Output (dB)	B: 92 BH:110	-		B: 92 BH:110		-
Buzzer Tone Type	B :Pulse BH:7 Melodies	-		B :Pulse BH:7 Melodies		-
Mounting Type	Base Mount Magnetic Base Mount					
Connection	Cable	USB Cable	Cable	Car Outlet	Car Outlet	USB Cable
Protection	IP65					
Weight Approx (kg)	1	1	1	1	1	1
Dimensions (mm)	Ø130x114				Ø140x139	

iLX Machine Working Light iL-XML18-C and iL-XML18-M

Power : 10.8W/16.2W/21.6W/32.4W/43.2W
Input : 24VDC
Colors : 5000K or 6000K
Driver : Build in
Electric protection : Protected against reverse polarity
Response time : <10 ms
Working temperature (°C) : -40°~50°
IP rating : IP67
LED life span (H) : 100000 hours
Installation . Surface mount by metal lamp or suspension
Wire connection : Integrated two core wires, wire lengths customized
Material : iL-XML18-C
Powerful SMD LED, high transmittance polycarbonate diffuser, Aluminium body, unique designed driver
Material : iL-XML18-M
Powerful SMD LED, high transmittance polycarbonate diffuser, High purified Aluminium frame



IL-XFL60

iLX-iL-XML18-M

Compact design, save much space;
IP67 waterproof, oil-proof;
Available in 5 lengths from150mm to 1200mm;
Clear or milk diffuser available;
High power led, bright and energy saving;
White/red/yellow/green colors available;
Metal clamps, easy to install or repositioning



iLX-iL-XML18-C

Compact design, save much space;
IP67 or IP69K, waterproof, oil-proof;
Available in 5 lengths from150mm to 1200mm;
Clear or milk diffuser available;
High power led, bright and energy saving;
White/red/yellow/green colors available;
Metal clamps, easy to install or repositioning



iLX Flexible Machine Work Light Series

Use the latest Energy saving led lightings technology, High purity & strong Aluminium alloy body, joints, can withstand toughest environment, water and oil resistant, maintenance free .
Bright, light evenly and uniform
24VDC or 100-260VAC
Adjustable in different directions
Quick Spec
Input: 24V DC or 200-240V AC or 120VAC
Power: 7W - 700 LM: iL-XCNC07
Power: 12W - 1200 LM: iL-XCNC12
Arm: Short arm or long arm(optional)
Electric protection: Over-current, over load protection.
For DC input, polarity free
Working environment:-40°+50°
Beam Angle: <120°
Color tempertuare: 6000K-6500K
CRI: >80
Lighting efficiency: 100lumen/W
Material: High purity Aluminium alloy, ABS
IP rating: IP67
Approval: CE, FCC

iLX Machine Working Light

Item No. : iL-XFL60
Power : 7W
Input : 24VDC 290mA
Lumen : 600
Driver : Build in
Colors : Neutral white/Cold white
Response time : <10 ms
Working temperature (°C) : -40°~50°
IP rating : IP67
LED life span (H) : 100000 hours
Goose length : 14x450mm
Head dimension : 60x36mm
Mounting plate dimension : 80x43mm
Material : Excellent Aluminium body, head and plate, high transmittance diffuser,
High power COB led, quality steel goose



IL-XCNC12

T5

12/24 VAC/VDC Continuous

Brown (Buzzer)(±12/24V)

Red (±12/24V)

Green (±12/24V)

Yellow (±12/24V)

Blue (±12/24V)

White (±12/24V)

Black (Common)

12/24 VAC/VDC Flashing/Strobe

Thick Black : Supply In

Thick Red : Supply In

Thick Green : Continuous Trigger

Thick Green : Flashing/Strobe Trigger

Red

Green

Yellow

Blue

White

Brown (Buzzer)

48 VAC/VDC / 110-220 VAC Continuous

Thick Black: Supply In

Thick Red: Supply In

Thick Green: Trigger

Red

Green

Yellow

Blue

White

Brown (Buzzer)

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

Thick Black: Supply In

Thick Red: Supply In

Thick Green: ContinuousTrigger

Thick Green: Flashing/Strobe Trigger

Red

Green

Yellow

Blue

White

Brown (Buzzer)

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

12/24 VAC/VDC

Brown (Buzzer)(±12/24V)

Red (±12/24V)

Green (±12/24V)

Yellow (±12/24V)

Blue (±12/24V)

White (±12/24V)

Black (Common)

110-220 VAC

Thick Black: Supply In

Thick Red: Supply In

Thick Green: Trigger

Red

Green

Yellow

Blue

White

Brown (Buzzer)

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

12/24 VAC/VDC

Brown (Buzzer)(±12/24V)

Red (±12/24V)

Green (±12/24V)

Blue (±12/24V)

Black (Common)

110-220 VAC

Thick Black: Supply In

Thick Red: Supply In

Thick Green: Trigger

Red

Green

Blue

Brown (Buzzer)

Led Colour Combination

+ + + =

+ + =

+ =

=

40

Connection Schemes

M7

12/24 VAC/VDC

Brown (Buzzer)(±12/24V)

Red (±12/24V)

Green (±12/24V)

Yellow (±12/24V)

Blue (±12/24V)

White (±12/24V)

Black (Common)

110-220 VAC

Thick Black : Supply In

Thick Red : Supply In

Gray : Trigger

Red

Green

Yellow

Blue

White

Brown (Buzzer)

HD, HP-BK

12/24 VAC/VDC

Red (Buzzer)(±12/24V)

Black (0V)

110-220 VAC

110-220 VAC

PM5

12/24 VDC

Brown (Buzzer)(±12/24V)

Red (±12/24V)

Green (±12/24V)

Yellow (±12/24V)

Blue (±12/24V)

White (±12/24V)

Black (0V)

110-220 VAC

Thick Black: Supply In

Thick Red: Supply In

Thick Green: Trigger

Red

Green

Yellow

Blue

White

Brown (Buzzer)

B, Q (Multilayer)

12/24 VAC/VDC

Brown (Buzzer)(±12/24V)

Red (±12/24V)

Green (±12/24V)

Yellow (±12/24V)

Blue (±12/24V)

White (±12/24V)

Black (Common)

110-220 VAC

Brown (Buzzer)(110-220V)

Red (110-220V)

Green (110-220V)

Yellow (110-220V)

Blue (110-220V)

White (110-220V)

Black (Common)

PRO

Brown (Buzzer)(+24V)

Red (+24V)

Green (+24V)

Yellow (+24V)

Blue (+24V)

White (+24V)

Black (0V)

ACF

Cable

1

2

3

4

Klemens / Terminal Blocks

1

2

3

4

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

Brown (Buzzer)(+24V)

Red (+24V)

Black (0V)

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

12/24 VAC/VDC

Red (Buzzer)(±12/24V)

Black (0V)

110-220 VAC

110-220 VAC

41



XPM5-ADP



XKL



XKL1



XKL2



XKL3



XKD



XKD1



XKD2



XKD3



XKT



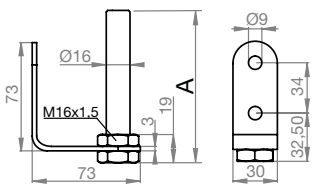
XKT1



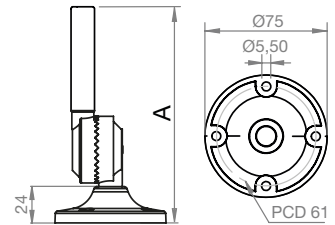
XKT2



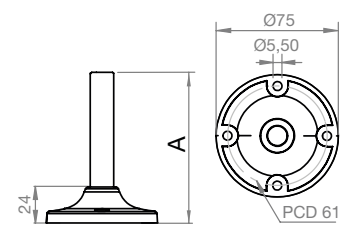
XKT3



	A	Weight
5KL	22 mm	127 gr
KL1	102 mm	147 gr
5KL2	202 mm	171 gr
5KL3	302 mm	195 gr

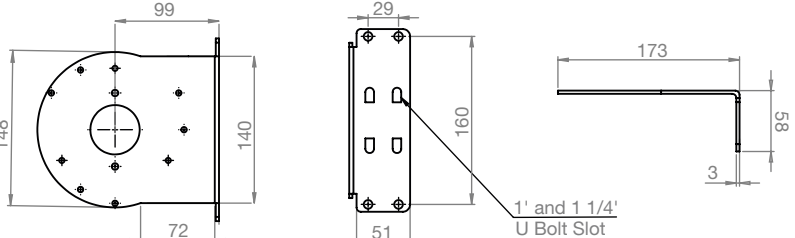


	A	Weight
KD	74 mm	64 gr
KD1	154 mm	82 gr
KD2	254 mm	106 gr
KD3	354 mm	130 gr



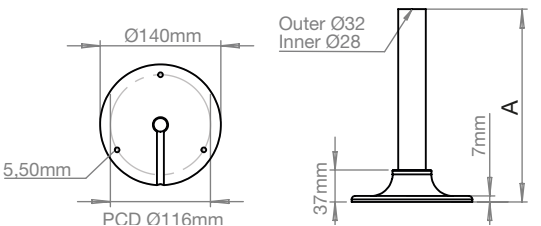
	A	Weight
KT	24 mm	30 gr
KT1	104 mm	48 gr
KT2	204 mm	72 gr
KT3	304 mm	96 gr

İL - XKL - ACF



Material	Galvanized Sheet
Weight	635 gr

İL - XKT. - ACF



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

Base Material	Aluminium
Tube Material	RAL7030 Gray Aluminium
Weight	430 gr



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