Product Overview

Fascinating Electrotechnics

ABOUT SCHLEGEL ELEKTROKONTAKT

Schlegel Elektrokontakt Co (FE) Pte Ltd is an Associate Company of **Georg Schlegel GmbH & Co,** a German manufacturer of award-winning industrial control units and terminal blocks.

The **Schlegel Elektrokontakt** group of companies in the Far East are solution provider for process monitoring & controls.

Endowed with the German culture of industriousness, innovation and precision. Constant research for new solutions and innovation to meet customer's demand for high quality product and prompt delivery services are our top priorities.

Besides **SCHLEGEL** of Germany, we are proud partners of **SUBKLEW** of Germany, **ICOTEK** of Germany, **AUER** of Austria, **A.M.I.** of France, **KIMDEN** of Japan, **TOGAMI** of Japan, **YONGSUNG** of South Korea and **SECFETRONIK.**

Our business porfolio is divided into 2 segments:

- **Manufacturing & Distribution:** Design awarded Pilot lamps, Pushbuttons, AS-Interface modules, Terminal blocks, Annunciator Systems, LED Annunciator Lights, LED lamps, Touch-screen Operator and Management System, LED Drivers, Visual & Audible Signalling Equipment, Ex-proof Signalling Equipment, Cable Entry Systems, Strain Relief Systems and EMC innovations.

- **Design & Fabrication:** Our specialization involves in providing idea, design and concept in the field of visualization, both in static and dynamic information display for command centre, supervisory and control rooms. Mosaic mimic panels, operator consoles and other engineering and integration services throughout a wide cross section of process and industrial sectors

Our line of products are widely used, catering to the engineering process demands of the following industries: *Railway & Transportation, Machinery & Precision Equipment, Oil & Gas Petrochemical, Renewable Energy, Marine & Offshore, Power Plant, Power Generation, Medical & Pharmaceutical, Food & Beverage, Waste Management* and many more.

PRODUCT OVERVIEW CONTENTS

SCHLEGEL ®
ELEKTROKONTAKT

OKTRON

Front dimensions:	25 x 25 mm
Panel cut-out:	Ø 16.2 mm
Front bezel height:	7.5 mm
Travel:	3 mm
Degree of protection:	IP65
Protection class:	II

SHORTRON (base-plate mounting)

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	2 mm
Travel:	2.3 mm/1.8 mm
Degree of protection:	IP65/IP67
Protection class:	II

OKTRON-R

Front dimensions:	Ø 25 mm
Panel cut-out:	Ø 16.2 mm
Front bezel height:	7 mm
Travel:	3 mm
Degree of protection:	IP65
Protection class:	II

RX-JUWEL

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	2.6 mm
Travel:	3 mm
Degree of protection:	IP65
Protection class:	II

QUARTRON
QUARTRON_MOSAIC

Front dimensions:	25 x 25 mm
* for mosaic on request	24 x 24 mm
Panel cut-out:	Ø 16.2 mm
Front bezel height:	12 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

RONDEX

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	12 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

RONTRON-R-JUWEL

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	2 mm
Travel:	3 mm
Degree of protection:	IP65
Protection class:	II

RONDEX-M

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	12 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

RONTRON-Q-JUWEL

Front dimensions:	28 x 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	2 mm
Travel:	3 mm
Degree of protection:	IP65
Protection class:	II

DUX-Basic

Front dimensions:	Ø 30 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	12 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

SHORTRON

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	2 mm
Travel:	2.3 mm/1.8 mm
Degree of protection:	IP65/IP67
Protection class:	II

QUARTEX-R

Front dimensions:	30 x 30 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	12 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

Control Units

SCHLEGEL ®
ELEKTROKONTAKT

RVA

Front dimensions:	Ø 28 mm
Panel cut-out:	Ø 22.3 mm
Front bezel height:	12 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

EMERGENCY STOPS

* with safety Contact Blocks
Modern and attractive designs combine with mechanical robustness and outstanding functionality.
Panel cut-outs: Ø 16 mm, 22 mm, 30 mm
Degree of protection: IP65/IP66/IP67/IP69K

KOMBITAST-R-JUWEL

|	
Front dimensions:	Ø 36 mm
Panel cut-out:	Ø 30.5 mm
Front bezel height:	2.7 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

* tested down to -40°F/-40°C
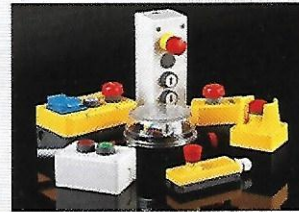
ENCLOSURES

Offer enough space inside to safeguard control units and terminal blocks at its optimum.
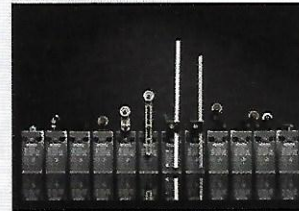Available in various types:
- Equipped Stainless Steel Enclosures
- Insulated Plastic Enclosures
- Equipped Insulated Plastic Enclosures
- Compact enclosure for profile rail or wall mounting (minibox)
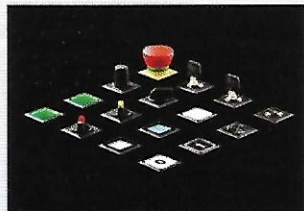
OKTRON-JUWEL

Front dimensions:	25 x 25 mm
Panel cut-out:	23.1 x 23.1 mm
Front bezel height:	2 mm
Travel:	3 mm
Degree of protection:	IP65
Protection class:	II

LIMIT SWITCH

Degree of protection:	IP65
Operating temperatures:	25°C to 55°C
Max. rated current / AC:	6A
Rated frequency:	50 to 60Hz
Max. rated voltage:	AC 380V, DC 220V

QUARTRON-JUWEL

Front dimensions:	27 x 27 mm
Panel cut-out:	24 x 24 mm
Front bezel height:	2.5 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II
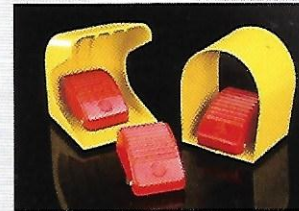
PEDAL SWITCHES

Pedal switches are used wherever manual operation is not possible. Robust light metal casing, resistance capacity, extreme durability and mechanical stability distinguish our pedal switches.
Degree of protection: IP65
Protection class: II

QUARTEX-R-JUWEL

Front dimensions:	30 x 30 mm
Panel cut-out:	26 x 26 mm
Front bezel height:	6 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

PANEL MOUNT JACKS

Front dimensions:	Ø 28mm, Ø 30mm, 25 x 25mm,
Panel cut-out:	Ø 22.3 mm, 23 x 23mm
Front bezel height:	2 mm
Travel:	3 mm

VANDALISM PROOF

Front dimensions:	Ø 28 mm/27 x 27mm
Panel cut-out:	Ø 22.3mm/24 x 24mm
Front bezel height:	2.3 mm/1.4 mm
Travel:	6 mm
Degree of protection:	IP65
Protection class:	II

CONTACT BLOCKS

Contact configuration:	1NC 1NO, 2NC 2NO
Rating voltage:	250V~, 20mV to 48V AC/DC
Connection type:	Screw connection, Faston terminals/

SCHLEGEL ®
ELEKTROKONTAKT

TERMINAL BLOCK

Schlegel terminal blocks offers a wide range of standard terminals of all common rated cross-sections: screw-type terminal blocks, with cage-clamp connection or IDC fast connection technology. Our terminal blocks are preferably used in electrical machine control systems, switchgear, controlgear, distribution and measurement systems as well as in the elevator and equipment construction. The terminals are suitable for high and low voltage for DC and AC.
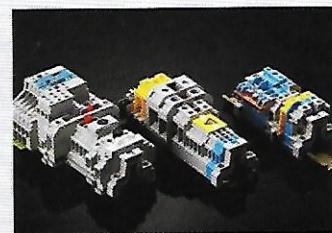
Quick-assembly Terminal Blocks

Type	light-grey	IK3	light-grey	IK5	light-grey	IK10	light-grey	IK16
	blue	IK3BL	blue	IK5BL	blue	IK10BL	blue	IK16BL
Rated Cross Section	2.5 mm^2		4 mm^2		10 mm^2		16 mm^2	
Solid	0.5 ... 4 mm^2		0.5 ... 6 mm^2		0.5 ... 10 mm^2		0.5 ... 16 mm^2	
Multiple Wire	0.5 ... 2.5 mm2		0.5 ... 4 mm2		0.5 ... 10 mm2		0.5 ... 16 mm2	
Mounting Method	Top hat rail N35, EN60715 TH35		Top hat rail N35, EN60715 TH35		Top hat rail N35, EN60715 TH35		Top hat rail N35, EN60715 TH35	
Terminal Width	5.1 mm		6 mm		8 mm		10 mm	
Connection Type	screw connection, slotted screw		screw connection, slotted screw		screw connection, slotted screw		screw connection, slotted screw	
Tightening Torque	0.5 Nm		0.8 Nm		0.8 Nm		1.2 Nm	
Rated Voltage	750 V		750 V		830 V/1000 V (->Note!)		750 V	
Rated Current	25 A		32 A		57 A		76 A	
Operating Temperature	-30°C ... 40°C		-30°C ... 40°C		-30°C ... 40°C at 57A		-30°C ... 40°C	
Identification Labels	HSKM50...		HSKM60...		HSKM80...		HSKM100...	
End Sections	IW2, IW4		IW16, IW4		IW16, IW50		IW16, IW50	
Jumpers	VB2-12, VB2-2		VB4-12, VB4-2		VB6-12, VB6-2		VB16-12, VB16-2	

Quick-assembly Terminal Blocks
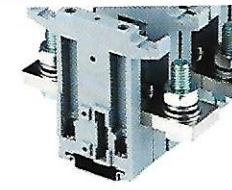
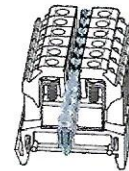| Type	light-grey	IK25	light-grey	IK51S	light-grey	IK70	light-grey	IK120
	blue	IK25BL	blue	IK51SBL				
Rated Cross Section	25 mm^2		50 mm^2		70 mm^2		120 mm^2	
Solid	10 ... 25 mm^2		2x16/1x16 ... 50 mm^2		25 ... 70 mm^2		120 mm^2	
Multiple Wire	10 ... 25 mm2		2x16/1x16 ... 50 mm^2		25 ... 70 mm^2		120 mm^2	
Mounting Method	Top hat rail N35, EN60715 TH35		Top hat rail N35, EN60715 TH35		Top hat rail N35, EN60715 TH35		Top hat rail N35, EN60715 TH35	
Terminal Width	12 mm		16 mm		23 mm		48 mm	
Connection Type	screw connection, slotted screw		screw connection, hexagon socket/slotted		screw connection, hexagon nut		screw connection, hexagon nut bars or cable lugs	
Tightening Torque	2.5 Nm		5.6 Nm/ 4 Nm		10 Nm		110 Nm	
Rated Voltage	750 V		750 V		750 V		750 V	
Rated Current	101 A		150 A		192 A		269 A	
Operating Temperature	-30°C ... 40°C		-30°C ... 40°C		-30°C ... 40°C		-30°C ... 40°C	
Identification Labels	HSKM100...		HSKM60...		HSKM60...		HSKM100...	
End Sections	IW50, IW70		IW51, IW70		IW70		IW120	
Jumpers	VB25, VBU35		VB35, VBU35		VB70, VBU35			

Accessories

 End Clamp Bracket
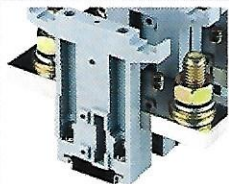
 Insulated End Section
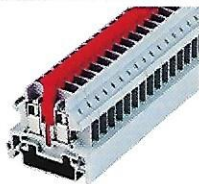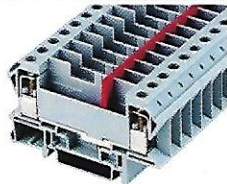
 Identification Labels

 Top Hat Rail N35L-2

 Jumper

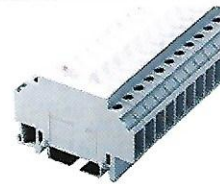---

|	Quick-assembly Terminal Blocks	Separator Terminals	Separator Terminals with disconnect slider	Fuse Terminal	Fuse Terminal
	light-grey IK240	light-grey IKTS4	light-grey IKT10	light-grey IKSI4	light-grey IKSI5
	240 mm²	4 mm²	10 mm²	4 mm²	4 mm²
	240 mm²	0.5 ... 4 mm²	0.5 ... 10 mm²	0.5 ... 6 mm²	0.5 ... 6 mm²
	240 mm²	0.5 ... 4 mm²	0.5 ... 10 mm²	0.5 ... 4 mm²	0.5 ... 4 mm²
	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35
	58 mm	6 / 40 / 39 mm	8 / 72 / 44 mm	10 / 40 / 53 mm	8.1 mm
	screw connection, hexagon nut bars or cable lugs	screw connection, slotted screw	screw connection, slotted screw	screw connection, slotted screw	screw connection, slotted screw
	14 Nm	0.8 Nm	0.8 Nm	0.8 Nm	0.5 Nm
	750 V	500 V	500 V	500 V	250 V
	415 A	16 A	57 A	6.3 A	6.3 A
	-30°C ... 40°C	-30°C ... 40°C	-30°C ... 40°C	-30°C ... 40°C	-30°C ... 40°C
	HSKM100...	HSKM60...	HSKM80...	HSKM100...	HSKM80...
		IW16, IW4	IWT10, IWTT10, VBL10, VBT10-4		
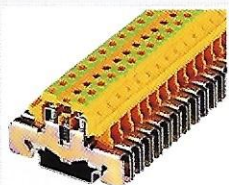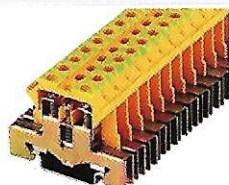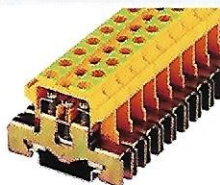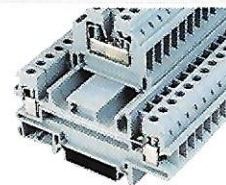
|	Earth Connection Terminal	Earth Connection Terminal	Earth Connection Terminal	Earth Connection Terminal	Pickaback Terminals
	yellow/green IKE4	yellow/green IKE10	yellow/green IKE16	yellow/green IKE51	light-grey IKH4 / blue IKH4BL
	4 mm²	10 mm²	16 mm²	35 mm²	4 mm²
	0.5 ... 4 mm²	4 ... 10 mm²	4 ... 16 mm²	2x16 / 1x 16 ... 35 mm²	0.5 ... 6 mm²
	0.5 ... 4 mm²	4 ... 10 mm²	4 ... 16 mm²	2 x 16 / 1 x 16 ... 35 mm²	0.5 ... 4 mm²
	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35	Top hat rail N35, EN60715 TH35
	7.5 / 56 / 38 mm	8.5 / 56 / 43 mm	10.5 / 56 / 45 mm	19 / 50 / 52 mm	6 / 76 / 38 mm
	screw connection, slotted screw	screw connection, slotted screw	screw connection, slotted screw	screw connection, hexagon socket	screw connection, hexagon socket
	0.5 Nm	8.5 Nm	1.2 Nm	5.6 Nm	0.5 Nm
					750 V
					32 A
	-30°C ... 40°C	-30°C ... 40°C	-30°C ... 40°C	-30°C ... 40°C	-30°C ... 40°C
	HSKM80...	HSKM80...	HSKM100...	HSKM100...	HSKM100...
					IWH4
					VB4-12, VB4-2

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icotek®
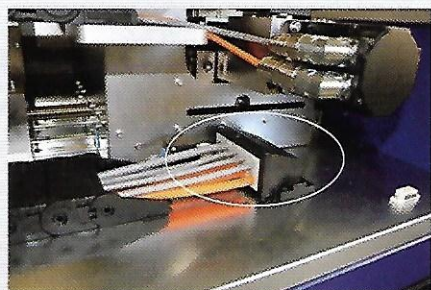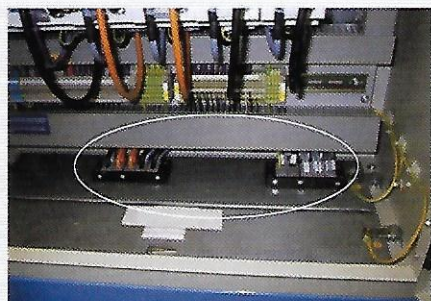
Split cable entry systems & Cable glands for cable with connectors

The patented cable entry systems enables the user to enter, seal and provide strain relief for cables with and without connectors.

The key feature is the split frame and slit grommets which provide quick, convenient and cost effective routing pre-terminated & multi-conductor cables, hoses or conduits.

The split frame and slit grommets alleviate the need to cut and re-wire pre-terminated cables.

- KEL... cable entry frames for diameter up to 34mm
- KEL-FG... flange enclosures for cable entry
- KEL-SNAP mounting frames
- KVT... split cable glands
- KEL-JUMBO cable entry frames for cables up to 65mm
- KEL-QUICK cable entry frames
- QVT... split cable glands
- KEL-QTA & KEL-QTE split cable entry plates
- KEL-BES brush frames for cable entry
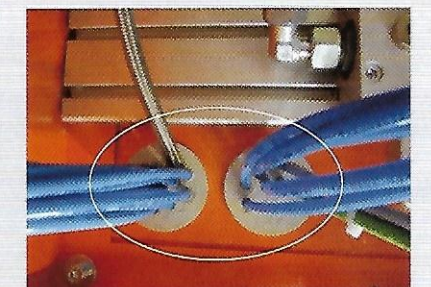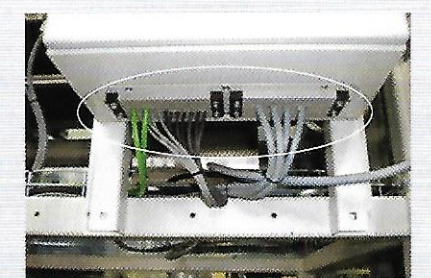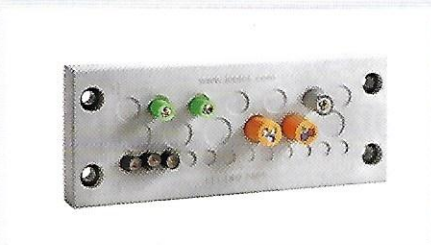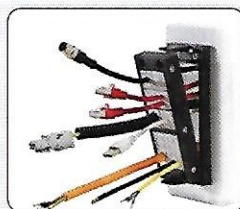
Cable entry systems for cable without connectors

For routing cables without connectors offers a wide range of products with a lot of advantages and benefits in comparison to conventional cable glands.

The compact, slim and innovative design of the membrane-based cable entry plates offer a professional appearance and high ingress protection ratings up IP68/NEMA type 4X. Especially suitable for applications where a lot of cables have to be entered through a small space.

- KEL-DPU 24 heavy-duty cable entry with high strain relief
- KEL-DPZ... cable entry plates
- KEL-DP... cable entry plates
- KEL-PDF split cable glands
- KEL-JUMBO cable entry grommets
- KEL-ULTRA FLEX cable entry grommets

icotek®

CONFiX Cable conduit systems

The 90° angled conduit fitting CONFiX FWS is perfect for installation of parallel corrugated cable protection conduits, e.g. in machines, control panels or control cabinets. The liftable cover is tightly fixed by a hinge to the mounting box. Therefore, the system is very easy to handle.
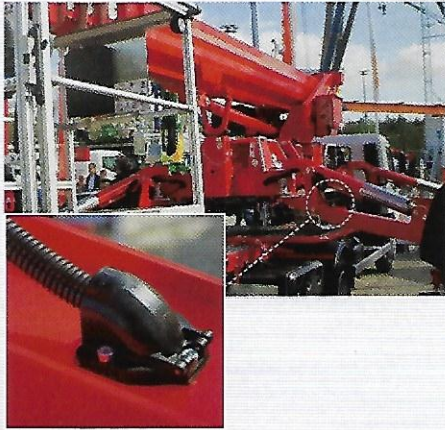
- CONFiX FWS Bulkhead fitting, split IP54 for conduit screw connections / direct conduit pickup
- CONFiX WS Corrugated conduits NW 7.5 - NW 50
- CONFiX WST Corrugated conduits, split for cables with connectors NW 10- NW 70
- CONFiX SH Conduits clips for split corrugated conduits CONFiX WST
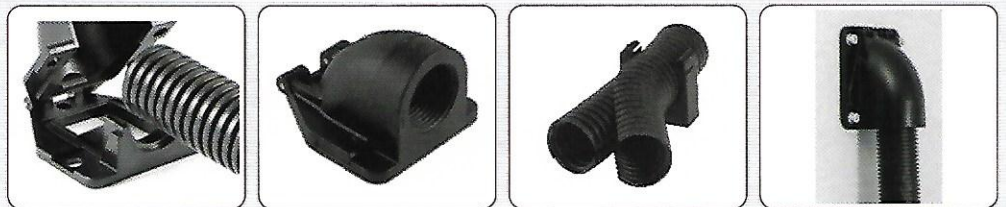
## ATEX CABLE ENTRY SYSTEMS for potentially explosives atmospheres

ATmospheres EXplosives cable entry systems are suitable for zones G (Gas) and D (Dust) in the equipment group II, category 2 + 3, certified to the ATEX Directive.
It complies with the EU Directive 2014/34/EU (ATEX) for equipment and protective systems intended for use in potentially explosive atmospheres of zones 1, 2, 21 and 22.

- KEL-ER... split ATEX cable entry frames for diameter up to 35 mm
- KEL... centrally split ATEX cable entry frames for diameter up to 35 mm
- KEL... extended split ATEX cable entry frames for diameter up to 35 mm
- KEL-FL split ATEX cable entry frames for flat cables & round cables up to 16 mm diameter
- KEL 183 split ATEX cable entry frames for cable diameter up to 75 mm
- KEL-DPU ATEX cable entry plates for screw / snap-in mounting
- KEL-DPZ ATEX cable entry plates, round
- KEL-DPF ATEX cable entry grommets for cable diameter up to 70 mm
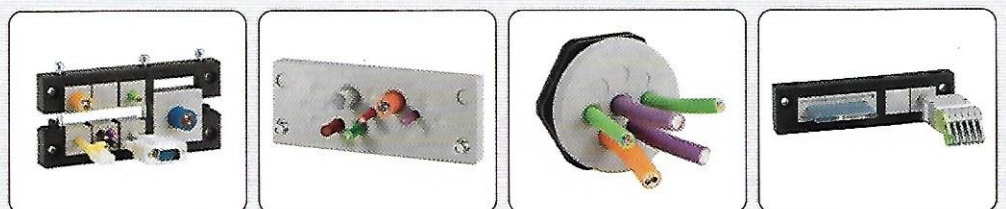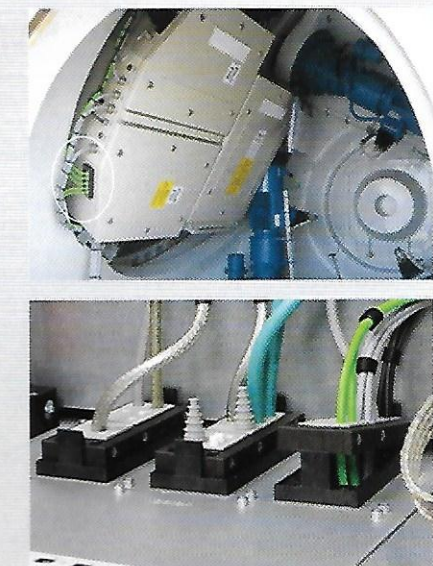
Mosaic Mimic System

The Subklew SM24 system is the latest generation "intelligent" mosaic mimic system. It provides a modular graphic display It provides a modular graphic display or a control facia to clients' individual needs, providing everything from a standard 19" rack facia, operator control console or desk/control panel section, to a complete free standing area of a control room wall.
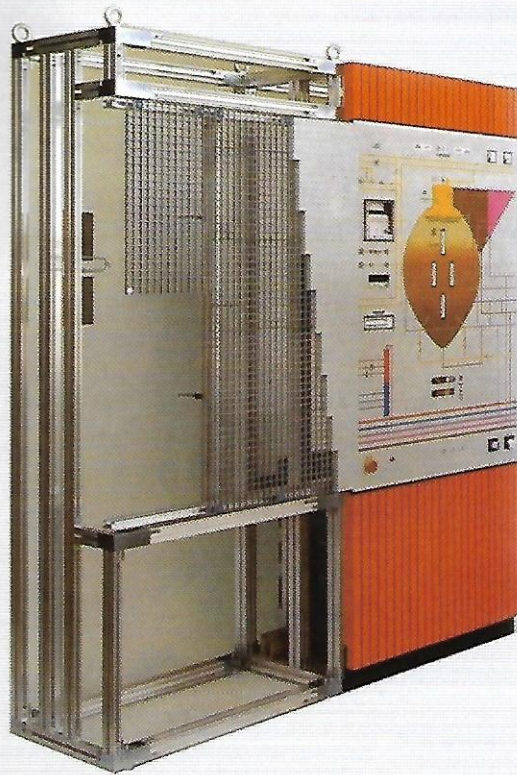
Advantages:

- ✓ It provides the best cost effective solution for many 24/7 process control and visualization applications
- ✓ Provides a secure and robust engineered solution, giving total confidence to plant and control room operators in a safety critical environment
- ✓ Required a minimal routine maintenance
- ✓ Designed for easy future modifications
- ✓ System provides indication, switch / pushbutton modules, and distributed I/O modules with connection plugs and sockets.
- ✓ Devices may be added or removed to the demands of the user
- ✓ Maintains a high quality appearance which shows no visible of modification.
- ✓ We provide lifetime support to clients to ensures their installation can be modified, extended or upgraded in line with their changing operational requirements.
- ✓ Integration with LED screens to display of real-time information is possible.

Supporting frame

Consisting of aluminium system profiles screwed together with corner and T-connectors. Offers maximum flexibility for ease of modification. No welding and drilling required. Easy and weldless extension possible.

Supporting grid

Robust supporting die-casting zinc alloy "Zamak". Basic grid element for 12 x 24 tiles suitable for arranging and extending to any desired size, 24 mm or 48 mm module. Straight or curved. Easy closing cutouts.

Mosaic Tiles

Hollow Macrolon (polycarbonate) tiles, flame-retarding (VO), anti-static, light-resisting and non-reflecting.
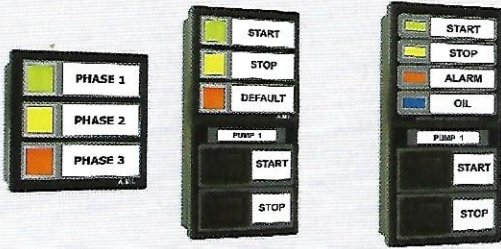Tile edges slightly chamfered to ensure a smooth surface even after long period of time.
Standard colours: light grey, beige, anthracite, light green. Special colours available on request.
Tile sizes: 24 x 24 mm, 24 x 48 mm, 48 x 48 mm, maybe combined with each other, panel flush mounting of measuring instruments.

INDICATOR PANELS
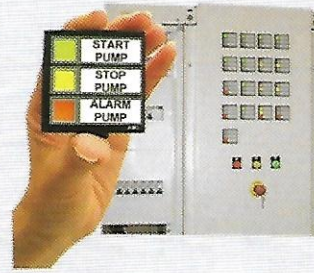
A simple and economic way for indicating:
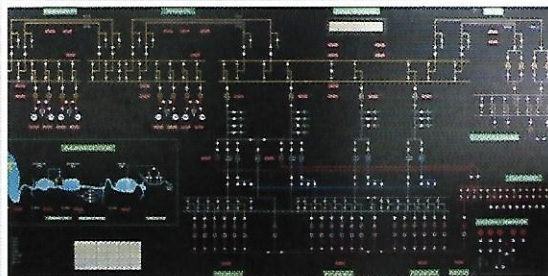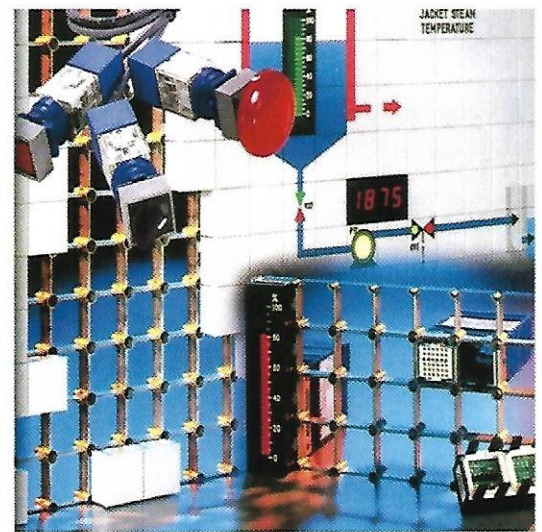
- 3 states of a start
- Presence of the 3 phases
- Indicating and 2 pushbuttons
- Indicating and transfer contacts to supervision system
- Easy to change LEDs with different colors
- Easy to change labels

PAN3V
3 LEDs
DIN 48x48

PAN3VB
3 LEDs
2 pushbuttons
DIN 48x96

PAN3VB
3 LEDs
3 transfer contacts
DIN 48x96

All power supplies are possible from 12 up to 400Vac/dc

J2405
24 LEDs
DIN 144x144

J2005
12 LEDs
DIN 144x144

J1805
8 LEDs
DIN 96x96

- Lamp test on front panel
- Interchangeable LEDs colour
- Interchangeable labels
- Input/Output wiring on connectors
- Selectable remote relay (optional)
- Different power supplies possible
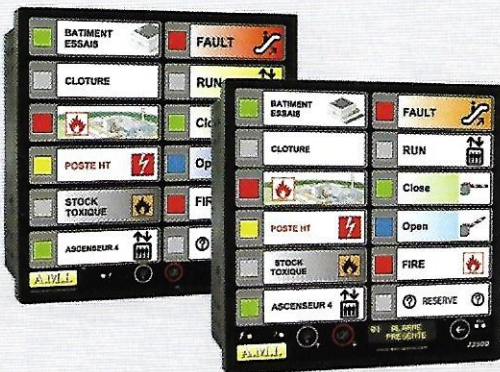- Input by contacts or by BUS RS485

J1850

8 channels, DIN 96x96
8 contact output relays
Programming by dip switches for each channels:

- Selection of NO/NC
- LED fixed or flashing
- Lamp test on front panel
- Interchangeable LEDs and labels
- Input /output wiring on connectors

ALARM ANNUNCIATORS

J3000/3500

12 channels, DIN 144x144
Programming by dip switches or by PC (free software)

- Selection of NO/NC contacts
- Input delay
- Alarm or indication function
- Reactivation of alarms
- Alarm priorities
- Input/output by BUS RS485

Memorization of alarms, indication of the first default, monitoring cable error, acknowledgement and lamp test on front panel or remote, memorization of the last 64 events.

- 12 contacts inputs / 12 programmable outputs
- Selectable general alarm relay and horn relay
- Synchronization of different alarm panels
- Horn relay with 4 priority levels

ALARM BOX

Wall mounting alarm box with back up battery and integral charging unit, for 8 - 96 alarms. Typical for general building applications. Allows to re-group the different states of same system on one site:
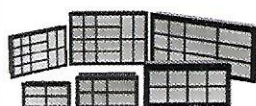
- Start / Stop / Alarm (PUMP)
- Start / Stop / De-icing / Alarm (COOLING GROUP)
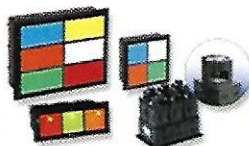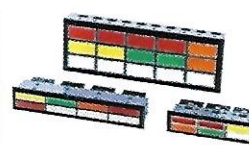- Alarm (BOILER)

ANNUNCIATOR LIGHTS

FA (W)-20/30 Series

KFD / KFT/KFR Series

KFE-D8 Series

KFE-HD Series

ANNUNCIATORS

Flicker Relay
KFA-13A

KFA-37 Series

Unit Type Annunciator
KFA 88/98 Series

Electronic Buzzer
KZ-90 Series

Solid State Annunciator
KFA-600 Series

LED LIGHTS & INDICATORS

High-Bright LED Lamps
LE Series

Surface-Emission LED
TFP-21 Series

DIN Size LED
Square Lights
KHE-36F/H Series

LED Square Lights
KHE-40F/H Series

LED Square Lights
FU Series

LED Square Lights
KHE/KTE/KRE/KBE-24
Series

LED Indicators Lights
KRE-08/10/12 Series

KRE-300 Series
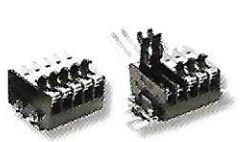
LED Round Lights
KRE/KPE-200 Series

TERMINAL BLOCKS & FUSE HOLDER

Assembled
Terminal Blocks
TS-800R-B Series

Disconnects
Terminal blocks
TSK-511NB/ER/RK

Terminal blocks with
Fuse Holder
TSK-511NB/ER/RK

TS-312/314

F/FC Series

(11)

Auer Signal

VISUAL SIGNALLING EQUIPMENT

Series Q
- LED multi strobe beacon
- LED steady / flashing beacon
- Xenon strobe beacon

Series P
- LED multi strobe beacon
- LED steady / flashing beacon
- LED 3 colour beacon
- Xenon strobe beacon

Series T + U
- LED multi strobe beacon
- LED steady / flashing beacon
- 37mm panel mount steady beacon
- Steady beacon

Series N
- LED multi strobe beacon
- LED steady / flashing beacon
- LED multi colour beacon
- LED strobe / double strobe beacon

Series M22
- M22 panel mount LED strobe beacon
- M22 panel mount LED steady / flashing beacon
- M22 panel mount LED multi colour
- M22 panel mount xenon strobe beacon

Series G
- LED steady / flashing beacon
- Steady / flashing beacon

Series M
- Xenon strobe beacon
- Steady / flashing beacon
- Rotating mirror beacon

BZG / FLK / XB2
- Xenon strobe beacon

BC1
- LED flashing beacon

AUDIBLE SIGNALLING EQUIPMENT

Series A
- Multi tone alarm sounder

Series T + U
- Piezo buzzer

Series M22
- Panel mount buzzer

Series K + H
- Mini horn
- Signal horn

Series ES
- Multi-tone alarm sounder

Series EH
- Multi-tone alarm sounder

Series M28
- Panel mount buzzer

Series SE
- Motor siren

BU1
- Surface mount buzzer

BEL
- Bell

SIGNAL TOWERS

Eco-Modul
- Modular signal tower Ø 40 mm
- Modular signal tower Ø 60 mm
- Modular signal tower Ø 70 mm

Half-Dome
- Compact signal tower

Modul-Compact
- Compact signal tower Ø 30 mm
- Compact signal tower Ø 70 mm

Modul-Signal
- Modular signal tower Ø 50 mm
- Modular signal tower Ø 70 mm

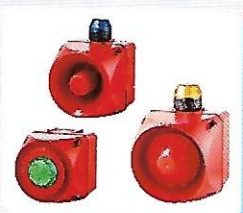# VISUAL-AUDIBLE SIGNALLING EQUIPMENT

Series A + Q
- Multi-tone alarm sounder and LED steady /flashing beacon
- Multi-tone alarm sounder and Xenon strobe beacon
- Multi-tone alarm sounder and LED multi strobe beacon

Series Q
- LED steady / flashing beacon with buzzer indicator
- Xenon strobe beacon with buzzer indicator

Series A
- Multi-tone alarm sounder with LED light indicator

Series T + U
- TDC + TDE

Series M22
- LED panel mount buzzer

Series G
- LED steady / flashing beacon
- Steady / flashing beacon

VS4
- Strobe beacon signalling sounder

CS1
- Electronic alarm sounder

EX-PROOF SIGNALLING EQUIPMENT

Visual signals
- Explosion-proof LED signal beacon
- Explosion-proof LED multi colour beacon
- Explosion-proof Xenon strobe beacon

Audible Signalling equipment
- Explosion-proof multi-tone alarm sounder
- Explosion-proof signal horn
- Explosion-proof signal bell

TELEPHONE & ACCESSORIES

- Explosion-proof analogue telephone
- Weather-proof analogue / VoIP telephone

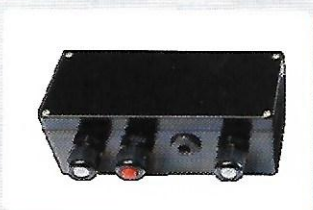- Explosion-proof VoIP telephone

- Weather-proof analogue / VoIP telephone

- Weather-proof analogue intercom terminal

- Explosion-proof visual-audible signalling sounder
- Weather-proof loudspeaker set
- Explosion-proof audible telephone call signalling sounder

- Explosion-proof telephone connecting relay

- Explosion-proof additional earpiece set
- Headset kit

Schlegel Elektrokontakt Co (FE) Pte Ltd | 3015A Ubi Road 1 #06-13/14 Singapore 408705 | T: +65 6841 8691 | F: + 65 6841 8693 | E: sales@schlegel.com.sg

13

Cam Switches

- Cam Switch (AC250V-10A, 30A / DC125V-20A)
- Illuminated Cam Switch (10A, 20A, 30A)
- Cam Switch 5A (Ø 22mm, □ 30mm, □ 48mm)
- Key Cam Switch
- 43PD Motor Switch
- Discrepancy Cam Switch (AC250V,5A / AC250V,10A)
- Pushbutton Cam Switch

Micro Switches

- Alternating Current Micro Switch (Z type)
- Direct Current Micro Switch (Z type)
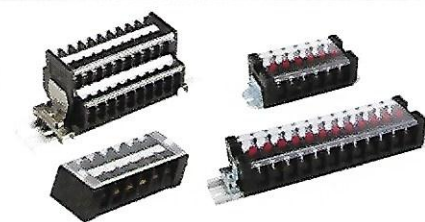- Mini Micro Switch (V type)

Relays

- Mini power relay
- Control relay
- Power relay
- Keep relay (Auxiliary relay)

Sockets

- Body composed of ABS flame resistant raisin that is very strong against heat resistance and insulation.

Terminal blocks

- Test terminal block
- Common terminal block
- Fixing terminal block
- Assembly terminal block
- 2 Layer assembly terminal block

Illuminated Annunciator Unit

- Integrated type
- Assemble type

Timers

- Timer
- Y-Δ Timer
- Flicker timer
- Digital timer

Floatless Switch

- Floatless: 8 pin socket type
- Floatless (YSFS-C22-M5-4A): 11 pin socket type
- Auto change controller: 8 pin socket type, two motor pumps automatic change control operation

Meters

- LED multi-set panel meter
- LCD digital multi-set meter
- Auto power factor controllers
- AC, DC digital meter ampere meter/ voltage meter
- Motor control unit
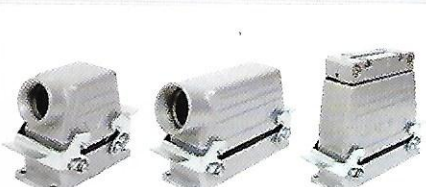
Square & Multi-pole Connector

- Square & multi-pole connector is for application under rash conditions requiring waterproof, dustproof and withstand vibration.
- With one touch lock type of connector connection
- Silver plated plug
- With body die-casted by Zn alloy
- PBT molding material with high heat resistance and insulation

LED Lamps

- LED Lamp
- MF06 type LED lamp
- P9S type LED lamp
- P9SR type LED lamp
- E10 type LED lamp
- E10R type LED lamp
- E12 type LED lamp

Control Switch Modules

- Qualified to IEEE standard 323-1983, 344-1987
- Manufactured to a Quality Assurance Program design to meet the requirement 10 CPR50 and KEPIC QAP-1
- Qualified in accordance with R.G 1.180
- Stainless Steel cover

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Pushbutton
Pushbutton with Illumination
* Removable contact block

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front shape:	Flat round
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP67/IK09

Pilot Light
* Removable contact block

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front shape:	Flat round
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP67/IK09

Pushbutton
Pushbutton with Illumination

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front shape:	Flat round
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP67/IK09

Pilot Light

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front shape:	Flat round
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP67/IK09

Key Switch

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front shape:	Flat round
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP40

Selector Switch
Selector Switch with Illumination

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP65

Buzzer
Buzzer with Illumination

Panel cut-out:	Ø 19 mm
Front dimensions:	Ø 22 mm
Front shape:	Flat round with holes
Switch rating:	12V DC / 24V DC
Sound intensity:	85 DB
Degree of protection:	IP65

Ø 16 mm Switches

Pushbutton
Illuminated Pushbutton

Panel cut-out:	Ø 16 mm
Front dimensions:	Ø 18 mm, 24 x 18 mm
Front shape:	Round, Square, Rectangle
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP65

Pilot Light

Panel cut-out:	Ø 16 mm
Front dimensions:	Ø 18 mm, 24 x 18 mm
Front shape:	Round, Square, Rectangle
Front bezel:	Bevel
Switch rating:	5A / 250V AC
Degree of protection:	IP65

Emergency Stop Button

Panel cut-out:	Ø 16 mm
Front dimensions:	Ø 24 mm, 23mm
Front shape:	Mushroom, Round
Switch rating:	5 A / 250V AC
Degree of protection:	IP65

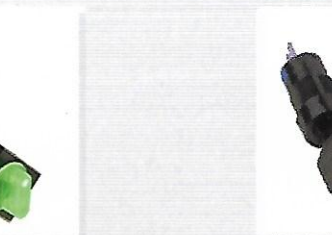## Emergency Protective Cover

Cut-out hole: Ø 16 mm, 22 mm

Selector Switch

|	
Panel cut-out:	Ø 16 mm
Front dimensions:	Ø 18 mm, 24 x 18 mm
Front shape:	Round, Square, Rectangle
Switch rating:	5A / 250V AC
Degree of protection:	IP65

Illuminated Selector Switch

Panel cut-out:	Ø 16 mm
Front dimensions:	Ø 18 mm, 24 x 18 mm
Front shape:	Round, Square, Rectangle
Switch rating:	5A / 250V AC
Degree of protection:	IP65

Key Switch

Panel cut-out:	Ø 16 mm
Front dimensions:	Ø 18 mm, 24 x 18 mm
Front shape:	Round, Square, Rectangle
Switch rating:	5A / 250V AC
Degree of protection:	IP40

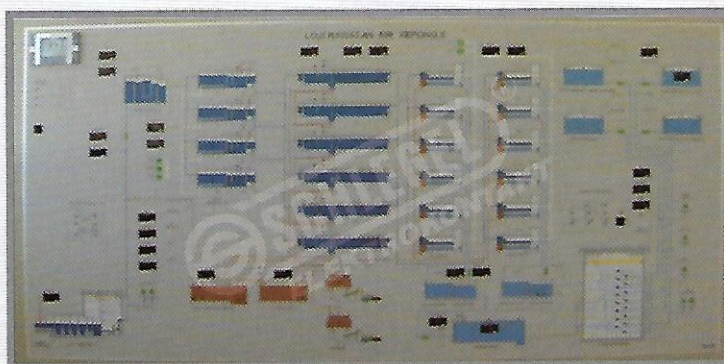RoHS

SGS CE CCC TUV UL

OTHER ENGINEERING SERVICES

Mosaic Mimic panels / ESD Panels / Process Control Panels (for *Power Plant, Marine, Airport, Railway, Building, Waste Management, Oil & Gas, etc.),* **Elevator / Lift Panels, Machine Plates** and many more
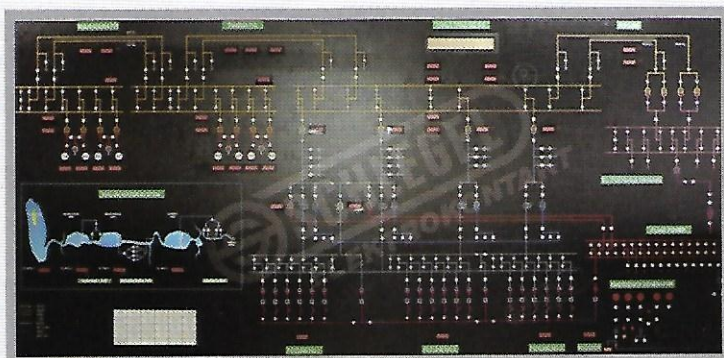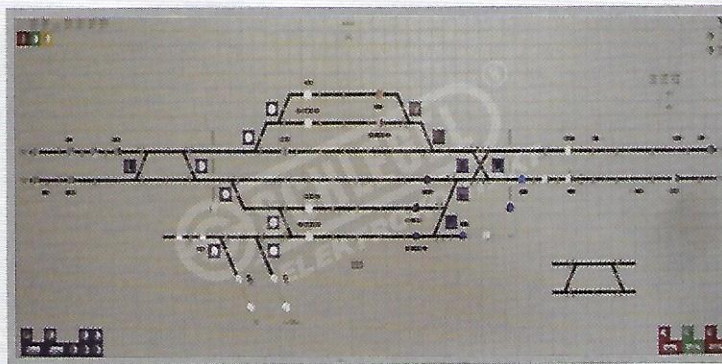

Supervisory Control & Monitoring Panel (Power Plant)
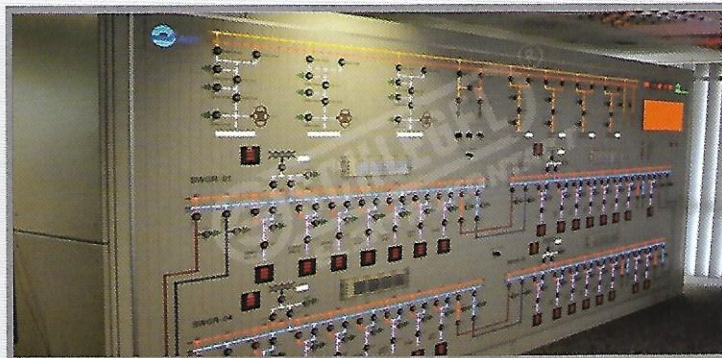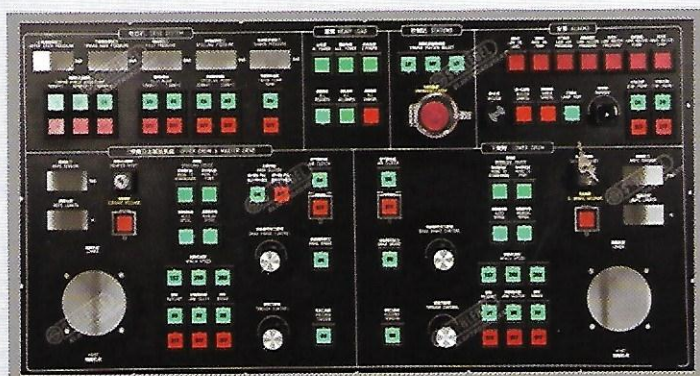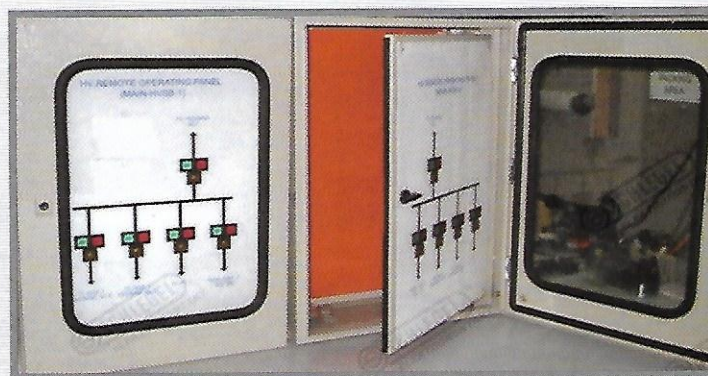

Supervisory Control & Monitoring Panel (Airport)

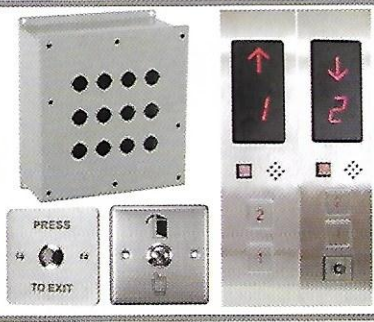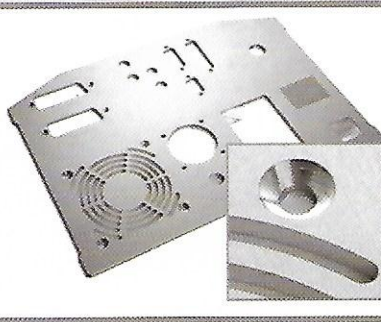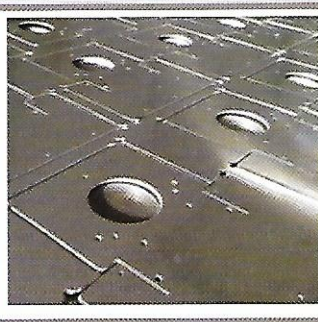Supervisory Process & Monitoring Panel (Water Treatment Plant)

Supervisory Monitoring Panel (Railway)

Supervisory Control & Monitoring Panel (Marine)

HV Remote Operating Panel
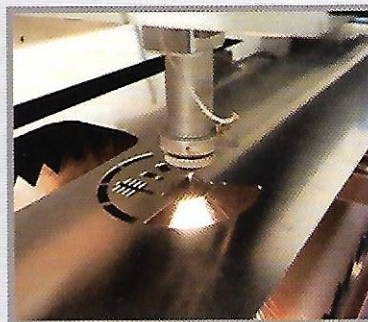
Laser Cutting & Engraving / Marking on Enclosure Cover, Elevator / Lift / Door Control Panels, Signages, Logo
and all metals in various thickness

Laser Cutting & Engraving, Marking, Etching, UV Printing, Anodizing and Silkscreen

We Cut, Engrave and UV Print on any type of *plastic* and *metal* materials. We also design and fabricate panels/consoles with cut-out holes, anodizing, painting and UV printing method.
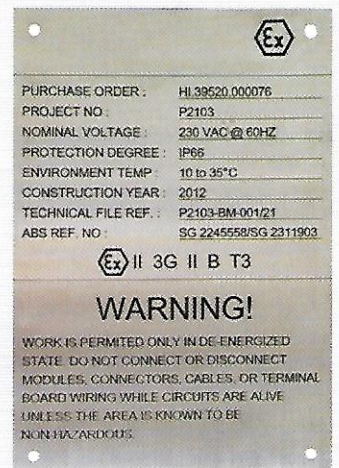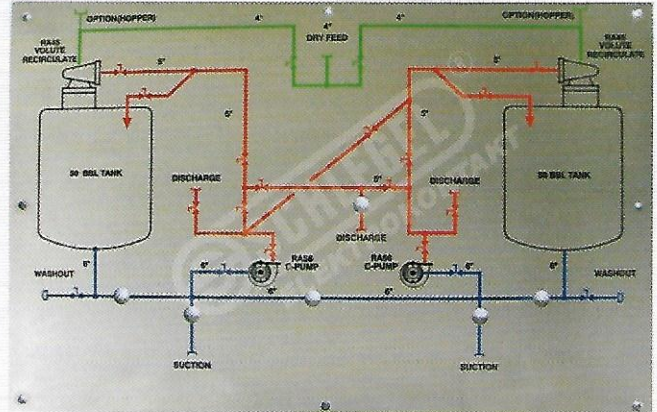
- ## Aluminium
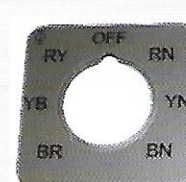 *(Marine Control Panels, FGS / ESD Panels, etc.)*
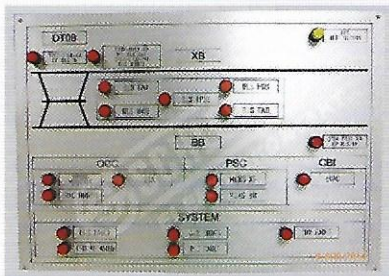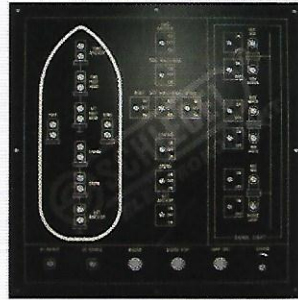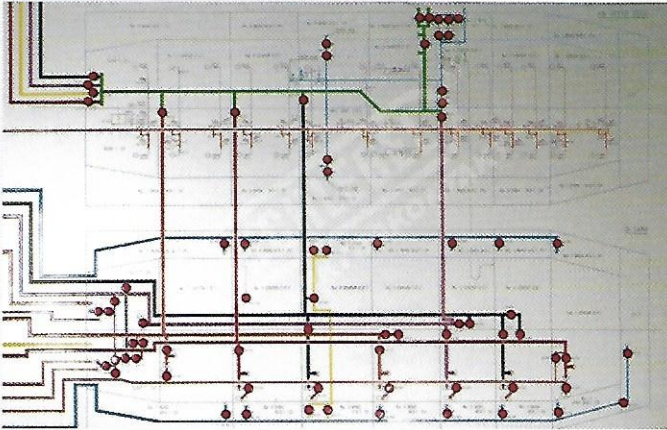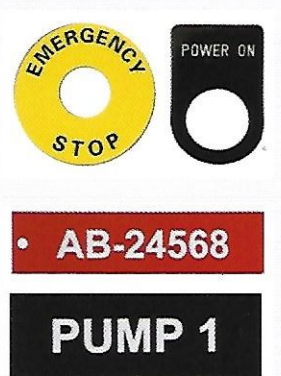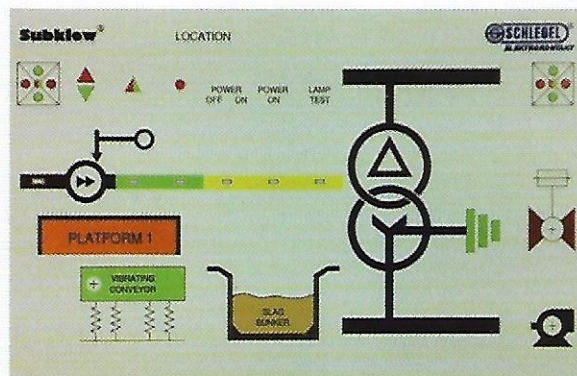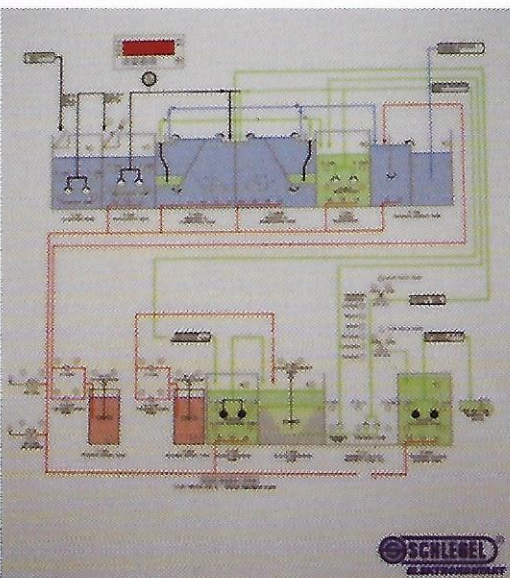
- ## Stainless Steel
  (Machinery Control Panels, Machine Nameplates, etc.)

- ## Plastics
  (Nameplates / Name Tags, Signages,FGS / ESD Panels, Mimic Panels, etc.)

บริษัท ชเลเก็ล อิเล็คโตรคอนแทค (ไทยแลนด์) จำกัด สำนักงานใหญ่
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Schlegel Elektrokontakt (Thailand) Co., Ltd
✉ setcod@ksc.th.com

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