

Company Profile

A New Standard for the Industrial Automation Products!



en.iolink.co.kr

■ Busan Head Office	28, Daedong-ro, Sasang-gu, Busan
■ Seoul Office	M Cluster-707, 17, Deogan-ro 104beon-gil, Gwangmyeong-si, Gyeonggi-do
■ Ansan Office	103, Sandan-ro 67beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do
■ Cheonan Office	71, Baekseogongdan 3-gil, Seobuk-gu, Cheonan-si, Chungcheongnam-do

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We Create a New Standard for the Industrial Automation Products!

CONTENTS

01

Company
introduction

02

Business
Area

About Samwonact

Company introduction

CEO's Greeting	FA Total Wiring System
Company Overview	Manufacturing and
Management Philosophy	Processing Equipment
Vision and Mission	Award and Certifications
Sales Status	Technology and Certifications
Corporate Credit Rating	Overseas Agency Status
History	Maintenance System
Organization	Work Environment
Core Competitiveness	Corporate Culture
Major Business	Social Contribution Activities

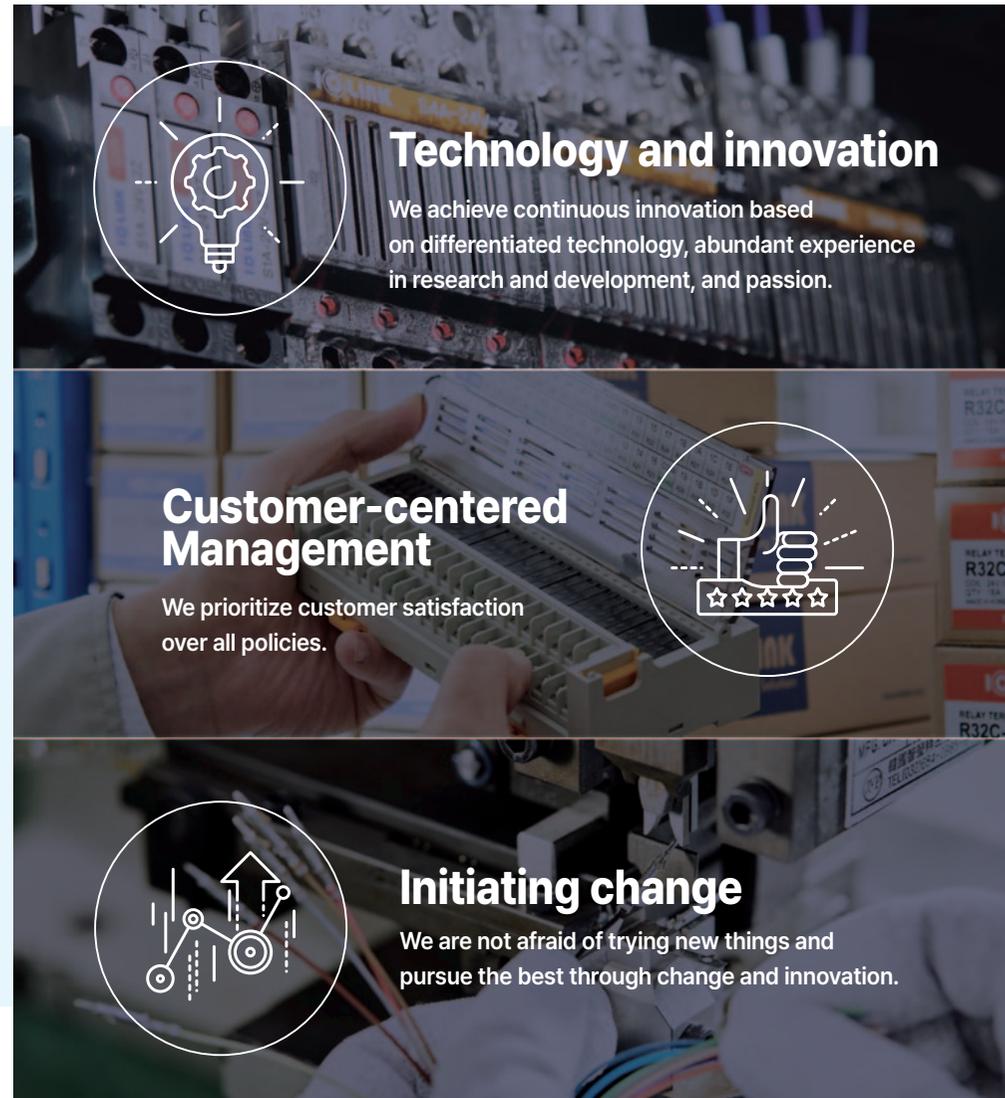
CEO's Greeting

Samwon Act creates new value in various industrial fields with an optimal wiring reduction solution.

Samwon Act is devoting itself to the development and production of industrial automation products based on rich field experience and technology in order to realize the optimal wiring reduction solution that meets the customer's needs. Based on our own brand, we are leading the development of domestic industrial automation by continuously developing new products and providing optimized solutions with competitive technology, quality, and price, and contributing to strengthening the competitiveness of the overall domestic industry by localizing expensive imported products.

Samwon Act's products create new value wherever there is innovation in various industrial sites.

CEO
KwangHo, Bae



Company Overview

Samwon Act pursues customer happiness based on advanced thinking and advanced technology

- Major business
- Best Wiring Solution
- Field Network Solution
- Sensor & Fieldbus Connection Solution
- Exclusive Operating Cable System for Cleanroom
- Fa Harness Solution



Company Name
Samwon Act Co., Ltd.

CEO
KwangHo, Bae

Date of establishment
1 February, 1999

Location

Busan Head Office : 28, Daedong-ro, Sasang-gu, Busan

Busan 2nd Plant : 41, Daedong-ro, Sasang-gu, Busan

Seoul Office : M Cluster-707, 17, Deogan-ro 104beon-gil, Gwangmyeong-si, Gyeonggi-do

Cheonan Office : 71, Baekseokgongdan 3-gil, Seobuk-gu, Cheonan-si, Chungcheongnam-do

Ansan Office : 103, Sandan-ro 67beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do

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Tel : +82-31-494-2727 Fax : +82-31-494-2790

Management Philosophy



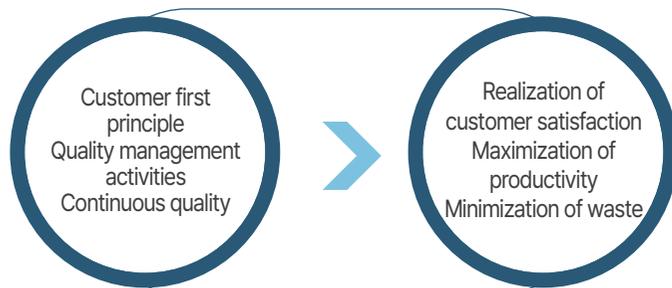
We advance together with our customers through management based on trust.

Company motto

Creative management
Lead change

Management Philosophy

Optimal wiring reduction solution
suitable for consumer needs



Quality policy

- Realize customer satisfaction by prioritizing all policies
- Maximize productivity through quality management activities
- Minimization of waste factors through continuous quality improvement

Vision and Mission

We pursue the spirit of respect for talented people by putting customers first and establishing an organizational culture of communication and cooperation to maximize individual capabilities.

+ Vision

Samwon Act leads industrial automation with technology that puts customers first

+ Mission

Achieving innovation in quality and productivity through safety and reliability analysis, testing and verification

Technology leader through constant technological innovation and R&D

Optimal wiring reduction solution suitable for consumer needs

+ Core Value



Leadership

Leading core source technology



Challenge

Concerns and challenges for customer needs



Together

A warm workplace made with care

History

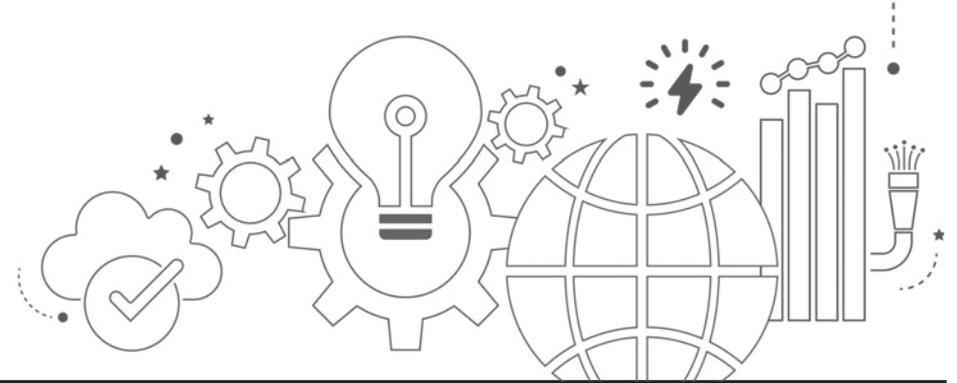
We supply products to all fields of the factory automation industry (automotive, display, electricity, electronics, semiconductor, machinery, etc.), including manufacturing of electric and electronic parts for factory automation, and continue to grow to become a strong small company.

No.1 in electric wiring field for 20 years of continuous growth

2022~2023	2019~2021	2017~2018	2013~2016	2007~2012	1999~2006
<p>2022</p> <ul style="list-style-type: none"> Busan Metropolitan City Strategic Industry Leading Company Commendation Award Received the grand prize at the 2022 Busan Employment Awards Selected as a youth-friendly small but strong company Designated as a global small but strong company Designated as a promising export small business Release of servo connection terminal SERVOCON Release of front connector SM-S7-1500 Launched PLC front terminal FTB series <p>2023</p> <ul style="list-style-type: none"> Selected as a technologically innovative small business (INNO BIZ) Women-friendly company agreement Recognition for meritorious use of free trade agreements (FTA) Work-life balance excellent company competition, Busan Employers Federation Chairman's Award Awarded the 41st Busan Industry Awards in the management category Selected as an excellent workplace for creating a workplace without discrimination in 2023 Certified as an excellent family-friendly company Launched SPS 2-stage power distribution block 	<p>2019</p> <ul style="list-style-type: none"> Samwon Act 20th anniversary Awarded the Exemplary Taxpayer Award 2019 by National Tax Service Launched compact type Ecoflex Launched safety window type power distribution block UL certification of I/O LINK Launched SYSWALL, a metal tile-type building interior material at Ansan plant BIZ CENTER Awarded the Prime Minister's Award at the Management Innovation Awards Designated as an excellent company in the work-life balance company contest <p>2020</p> <ul style="list-style-type: none"> Designated as a technology innovative SME (INNO-BIZ) Awarded the Prime Minister's Award on Labor Day Designated as an export promising SME Designated as an excellent labor-management culture company Join the Smart Manufacturing Innovation Center(SMIC) as a partner <p>2021</p> <ul style="list-style-type: none"> Certified as a leading company in the strategic industry Designated as a youth-friendly SME Designated as a global IP star company Awarded the Minister of Employment and Labor Award on Labor Day Awarded by the Commissioner of the Korean Intellectual Property Office on Inventor's Day Awarded as a childbirth friendly company 	<p>2017</p> <ul style="list-style-type: none"> Launched bus-type power distribution block Launched sealed connector, DSC series Launched modular terminal block, MTB series Launched self-supporting flat cable UFLEX Awarded the Order of Industrial Service Merit at the Korea Small and Medium Business Entrepreneurs Competition 2017 Certified as a small hidden champion by the Ministry of Employment and Labor <p>2018</p> <ul style="list-style-type: none"> Certified as an excellent employment company 2018 in Busan Certified as a small hidden champion 2018 by the Ministry of Employment and Labor Launched long-stroke type Ecoflex Launched BPS power distribution block Signed as an exclusive distributor in Korea with Hitachi Cable RT-FLEX Relocated Cheonan plant UL Certification 	<p>2013</p> <ul style="list-style-type: none"> Grand prize for small and medium-sized businesses in Busan Signed as an exclusive distributor with TAIYO FA Cable Korea Launched SCR relays (MY, LY) Launched power distribution blocks <p>2014</p> <ul style="list-style-type: none"> Certified as an excellent employment company in Busan Awarded the Exemplary Taxpayer Award by National Tax Service Designated as a technology innovative SME (INNO-BIZ) Launched Fieldbus Cable <p>2015</p> <ul style="list-style-type: none"> Developed QPORT M8 branch board Launched EASY-CLAMP (e-con) for sensor connection Acquired patent for sealed connector, MSC series Established Ansan plant <p>2016</p> <ul style="list-style-type: none"> Construction of new headquarters Designated as a childbirth-friendly company by Busan City Launched machine vision cables Launched screw-type power distribution block Ecoflex applied to Samsung Display OLED equipment 	<p>2007</p> <ul style="list-style-type: none"> Developed Q-PORT products Acquired Single PPM certification <p>2008</p> <ul style="list-style-type: none"> Awarded the Minister Award of the Ministry of Knowledge Economy Selected as an excellent entrepreneur in Busan <p>2009</p> <ul style="list-style-type: none"> Ecoflex product development and trademark registration Sales of FA Cable TAIYO EXT/XL Q-PORT trademark registration <p>2010</p> <ul style="list-style-type: none"> Awarded the Presidential Award at the Single PPM Advancement Competition Acquired Ecoflex Japan patent <p>2011</p> <ul style="list-style-type: none"> Designated as a INNO-BIZ company Expanded the 2nd factory <p>2012</p> <ul style="list-style-type: none"> Designated as one of the 300 best companies to work for in our area Established Cheonan plant Awarded the Exemplary Taxpayer Award by Sasang-gu Office 	<p>1999</p> <ul style="list-style-type: none"> Established Samwon Electric Established Seoul office <p>2000</p> <ul style="list-style-type: none"> IOLINK trademark registration <p>2001</p> <ul style="list-style-type: none"> Registered all of I/OLINK products as standard products to Hyundai Motors Production of standard servo motor cables <p>2002</p> <ul style="list-style-type: none"> Corporate conversion to Samwon Act Co., Ltd. Acquired ISO 9001 <p>2003</p> <ul style="list-style-type: none"> Acquired overseas certification(CE) <p>2004</p> <ul style="list-style-type: none"> Signed a supply contract with SENSHU (a cable distribution company, a listed corporation) in Japan <p>2005</p> <ul style="list-style-type: none"> Acquired a patent for small relay board <p>2006</p> <ul style="list-style-type: none"> Signed as a special agency with MITSUBISHI Servo Korea Selected as a Japanese export and export business company

Organization

Samwon Act is structured to demonstrate the best work capabilities through organizational operation with organic and independent balance.



CEO

Management
Planning Director

Management Planning Dept.	Technological Sales Dept.	Sales Management Dept.	Production Dept.	R&D	Quality Assurance Dept.	Ansan Plant
HR Team	Busan Sales Team	Busan Sales Management Team	Production Team 1	Product Planning Team	Product Inspection Team	Management Planning Team
Management Planning Team	Seoul Sales Team	Seoul Sales Management Team	Production Team 2	Product Design Team	Quality Assurance Team	Sales Team
Finance Team	Cheonan Sales Team	Cheonan Sales Management Team	Production Team 3	Promotional Team		Production Team
Purchasing Team	Overseas Sales Team	Overseas Sales Management Team		Reliability Verification Team		R&D
	CS Team	Marketing Team				

Core Competitiveness

With innovative technology development,
we always meet customer expectations and provide product convenience and value.



Total Service Provider

Providing customized solutions
with the highest quality and
excellent service



Knowledge Management

Improve corporate competitiveness by
holding various technical certifications



Market Leader

High market recognition
leading the FA cable & connection market



Human Power

Efficient and systematic organizational
structure with the high work capacity of the
members of the organization



Success Stories

A number of successful projects carried out
with professional know-how in the field of
industrial automation



Tight Partnership

Responsible partner trusted by customers
Shared growth

Major Bussiness

We provide optimal wiring reduction solutions based on our unique capabilities based on our own brand.



IO LINK
Best Wiring Solution

Best Wiring Solution

- Interface Terminal Block
- Relay Terminal
- PLC I/O Cable
- Power Distribution Block
- EZ-Clamp
- SCR / AHN General Purpose Relay
- Sealed Connector
- Safety Relay
- Other Wiring Materials



IONET
Field Network Solution

Field Network Solution

- Remote I/O Terminal
- Industrial Field Cable
- Machine Vision Cable
- Fieldbus Cable
- EtherNet Switch



QPORT
Field Wiring Innovation

Sensor & Fieldbus Connection Solution

- M12/M8 Sensor Distributor
- M23 Main Cable
- M12/M8 Sensor Actuator Connection Cable
- M8 Sensor Connection Cable
- M12 Branch Cable
- Valve Plug Cable
- Valve Plug Cable Connection Accessories



Ecoflex
Clean Wiring Solution

Clean Wiring Solution

- LCD and OLED facilities
- Semiconductor facilities
- Other cleanroom equipment
- Product configuration according to user's equipment condition



FA Harness Solution

FA Cable Harness Solution

- MITSUBISHI J5/J4 Servo Cable
- YASKAWA Σ -7/ Σ -5 Servo Cable
- PANASONIC A6/A5 Servo Cable
- OMRON G5/1S Servo Cable
- LS Mecapton Servo Cable
- LS ELECTRIC Servo Cable
- Positioning Unit Cable
- PLC Optical Fiber Cable
- Fieldbus Connection Cable
- Special Harness OEM

FA Wiring Total Solution

We provide one-stop total service by responding to customer technology, providing core solutions, and establishing a systematic system.

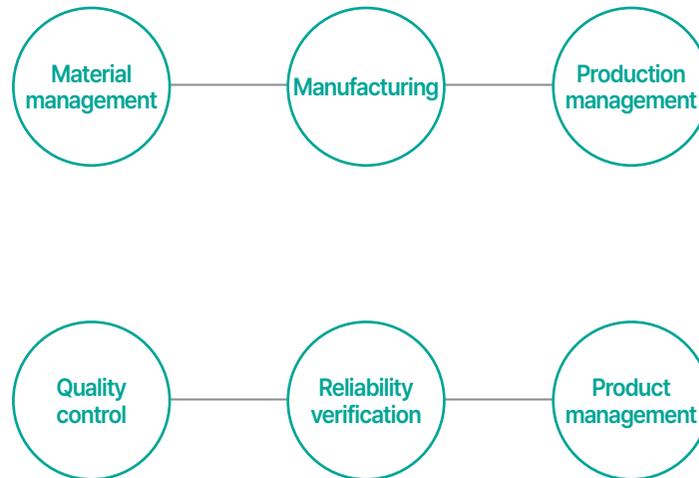
Response to Customer Technology



Production and Manufacturing System

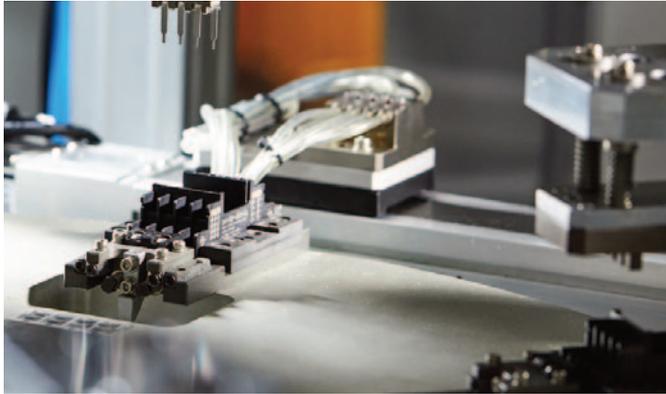
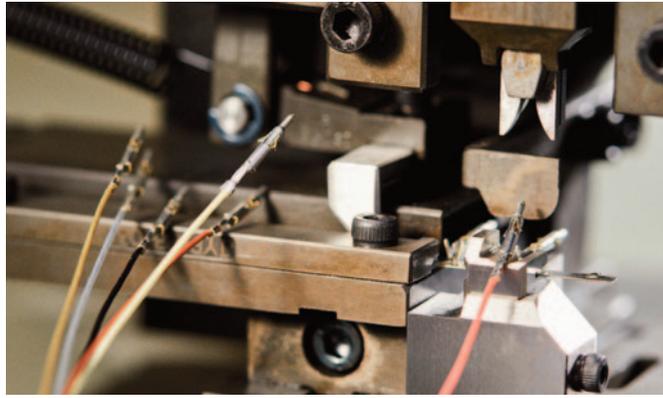


Response to CS



Manufacturing and Processing Equipment

From production planning to manufacturing and verification!
We have a manufacturing system optimized
for the electronic wiring equipment industry.



Awards and certificates

Samwon Act has been recognized for its excellence and corporate value through various awards and certifications.

<p>2008 / 2011</p> <ul style="list-style-type: none"> Awarded the Presidential Award at the Single PPM Competition (2 times) 	<p>2008 / 2013</p> <ul style="list-style-type: none"> Certified as an excellent entrepreneur in Busan (2 times) 	<p>2009 / 2014</p> <ul style="list-style-type: none"> Awarded the Exemplary Taxpayer Award by National Tax Service (2 times) 	<p>2011 / 2012</p> <ul style="list-style-type: none"> Designated as one of the 300 best companies to work for in our area
<p>2014 / 2018</p> <ul style="list-style-type: none"> Certified as an excellent employment company in Busan (2 times) 	<p>2017</p> <ul style="list-style-type: none"> Awarded the Order of Industrial Service Merit at the Korea SME Competition 2017 	<p>2019</p> <ul style="list-style-type: none"> Awarded the Exemplary Taxpayer Award 2019 by the Ministry of Economy and Finance Designated as an excellent company in the work-life balance company contest Awarded the Prime Minister's Award at the Management Innovation Awards (Korea Chamber of Commerce and Industry) 	
<p>2020</p> <ul style="list-style-type: none"> Designated as an export promising SME Designated as an excellent labor-management culture company 	<p>2021</p> <ul style="list-style-type: none"> Certified as a leading company in the strategic industry Awarded by the Commissioner of the Korean Intellectual Property Office on Inventor's Day 	<p>2022</p> <ul style="list-style-type: none"> Received commendation as a leading company in the strategic industry of Busan Awarded the Grand Prize at the 2022 Busan Employment Awards Designated as a global small but strong company Designated as an export promising SME 	
<p>2023</p> <ul style="list-style-type: none"> Selected as a technologically innovative small business (INNO BIZ) Women-friendly company agreement Recognition for meritorious use of free trade agreements (FTA) Work-life balance excellent company competition, Busan Employers Federation Chairman's Award 	<ul style="list-style-type: none"> Awarded the 41st Busan Industry Awards in the management category Selected as an excellent workplace for creating a workplace without discrimination in 2023 Certified as an excellent family-friendly company 		



Awarded the Order of Industrial Service Merit at the Korea SME Competition



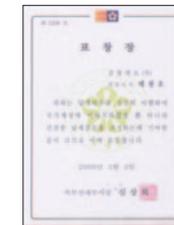
Single PPM Commendation



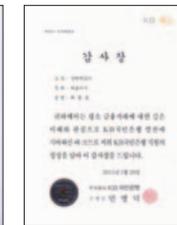
Single PPM Group Award



Single PPM Meritorious Award



Awarded the Exemplary Taxpayer Award



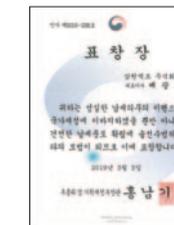
Letter of appreciation by Kookmin Bank



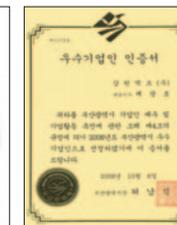
Awarded the Prime Minister's Award at the Management Innovation Awards



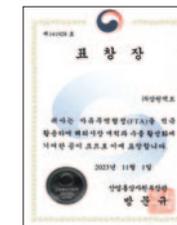
Selected as an excellent company in the work-life balance excellent company contest



Awarded the exemplary taxpayer's day by the Ministry of Strategy and Finance



Awarded the exemplary taxpayer's day by the Ministry of Strategy and Finance



Recognition for meritorious use of free trade agreements (FTAs)



Selected as an excellent workplace for creating a workplace without discrimination

Technology and Certifications

The superior competitiveness of Samwon Act's technology and products has been proven in various ways.

Patent 58	Design registration 40	Trademark registration 16	CE certification 48	UL certification 25
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» Certificate of a Patent

» INNO-BIZ Certification

» Corporate R&D Center

» ISO Certification

» Certificate of Trademark Registration

» CE Certification

Overseas Agency Status

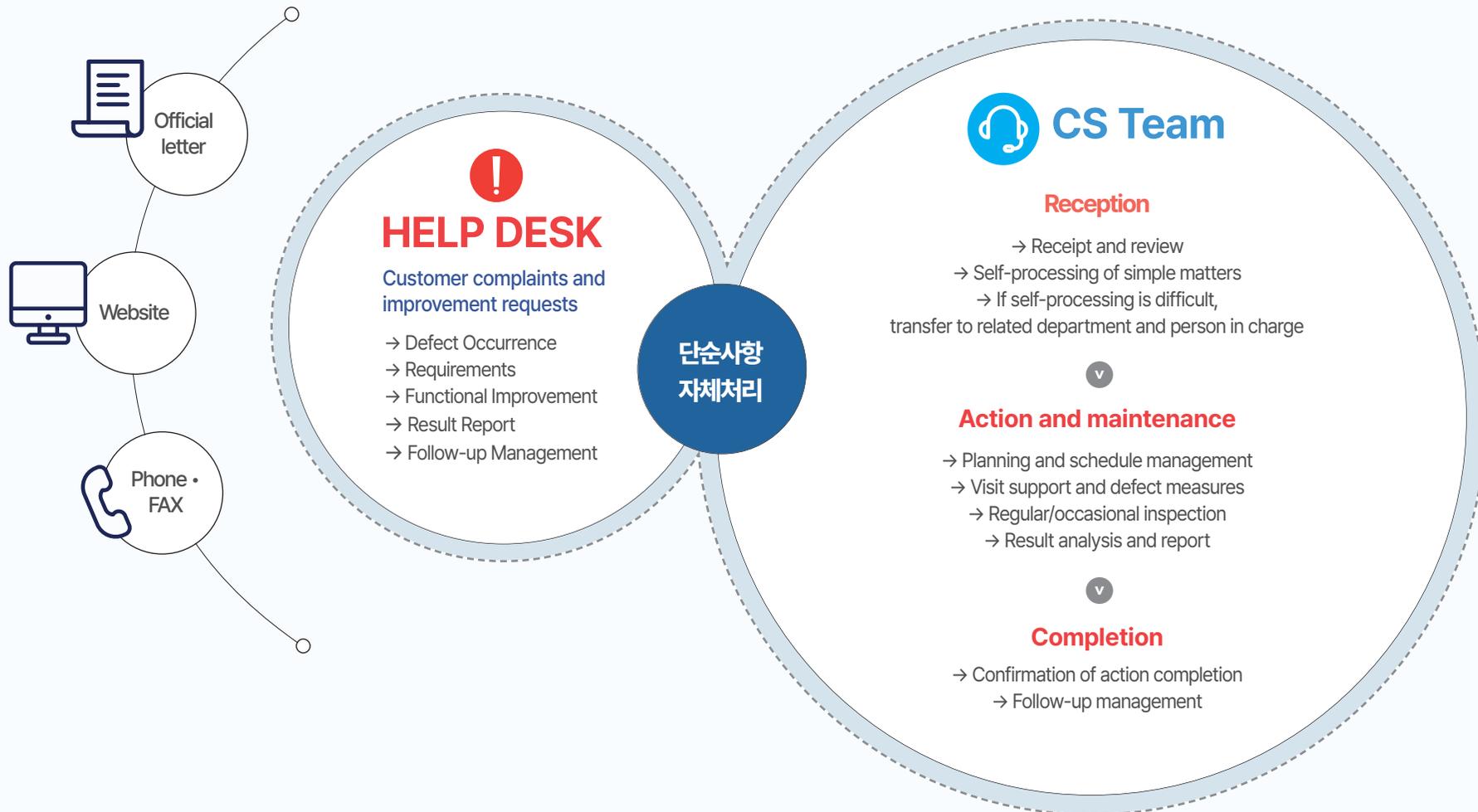
We are actively advancing into overseas markets based on references from customers with world-class competitiveness in semiconductors and secondary batteries.



CHINA	JAPAN	TAIWAN	VIETNAM	INDIA	THAILAND
Shenzhen Jiaxun Industrial Co., Ltd. ShangHai Fuailian M.&E. Science & Technology Co., Ltd.	SHINDEN TRADING Co., Ltd.	CHANG CHIEN KUNG ENTERPRISE Co., Ltd.	SEBONG VINA Co., Ltd.	Satt Industrial Automation Pvt., Ltd. TCM EXIM PVT.LTD.	Premier Automation Center Co., Ltd.

Maintenance System

We realize optimal wiring reduction solutions suitable for the various needs of our customers and support the best technology and service.



Work Environment

We provide a safe and pleasant work environment that enhances work efficiency.



Corporate Culture

Employee happiness is the driving force of the company!
An excellent corporate culture is established with in-house employees.

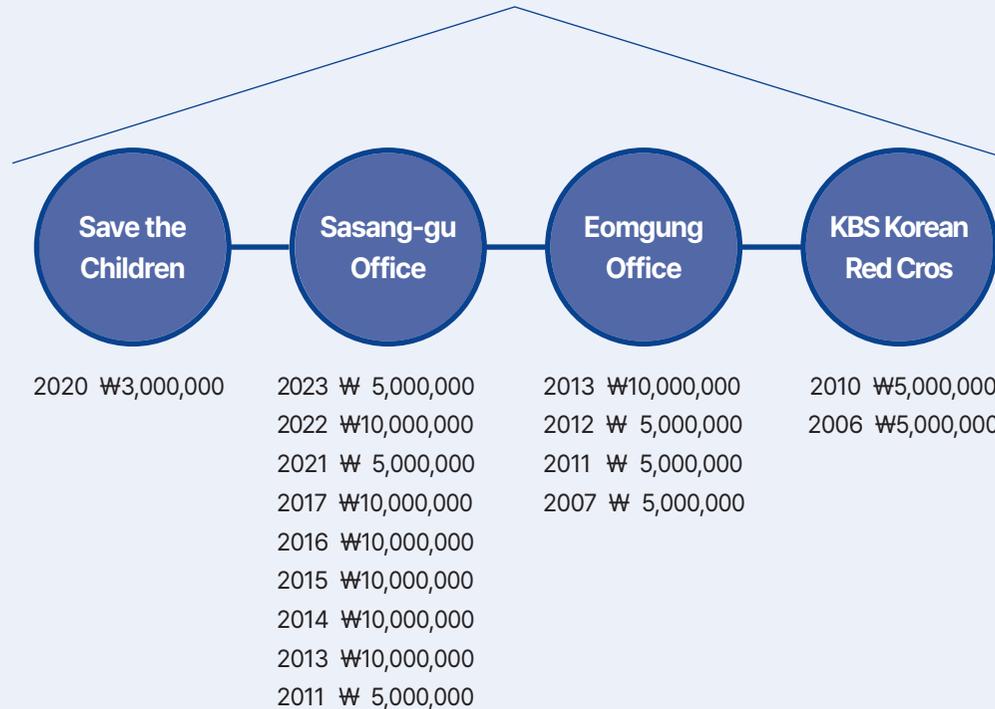


Social Contribution Activities

Samwon Act has been practicing continuous social contribution activities for the development of local communities.



Donation of Samwon Act Social Contribution



02

Business Areas

Products

Best Wiring Solution
Field Network Solution
Exclusive Operating Cable System for Cleanroom
Sensor & Fieldbus Connection Solution
FA Cable Harness Solution

Business Area

Best Wiring Solution

- Interface Terminal Block
- Relay Terminal
- PLC I/O Cable
- Power Distribution Block
- EZ-Clamp
- SCR / AHN General Purpose Relay
- Safety Relay
- Sealed Connector
- Other Wiring Materials

IONET



Field Network Solution

- Remote I/O Terminal
- Industrial Network Cable
- Fieldbus Cable
- Machine Vision Cabel
- EtherNet Switch

Exclusive Operating Cable System for Cleanroom

- LCD and OLED facilities
- Semiconductor facilities
- Other cleanroom equipment
- Product configuration according to user's equipment condition

IOLINK



Ecoflex



Sensor & Fieldbus Connection Solution

- M12/M8 Sensor Distributor
- M23 Main Cable
- M12/M8 Sensor Actuator Connection Cable
- M8 Sensor Connection Cable
- M12 Branch Cable
- Valve Plug Cable
- Valve Plug Cable Connection Accessories

QPORT

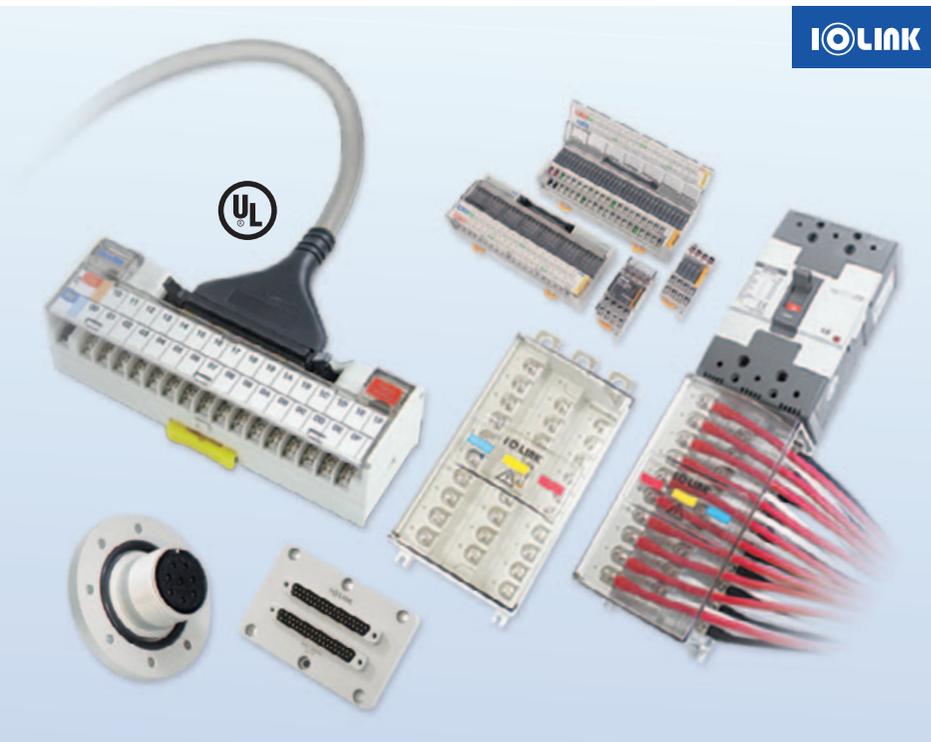


FA Harness Solution



FA Cable Harness Solution

- MITSUBISHI J5/J4 Servo Cable
- YASKAWA Σ -7/ Σ -5 Servo Cable
- PANASONIC A6/A5 Servo Cable
- OMRON G5/1S Servo Cable
- LS Mecapton Servo Cable
- LS ELECTRIC Servo Cable
- Positioning Unit Cable
- PLC Optical Fiber Cable
- Fieldbus Connection Cable
- Special Harness OEM



IOLINK

BEST
WIRING
SOLUTION

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INTERFACE
TERMINAL



Interface terminal block for I/O wiring of various domestic and foreign PLCs and dedicated controllers

- ▶ Number of connector pins :
20, 26, 34, 40, 50, 40X2, etc.
- ▶ Connector maker :
HIROSE HIF, OMRON XG4, FUJITSU FCN360, HONDA MR, 3M MDR, etc.
- ▶ Terminal block type :
Screw terminal type, European push-in type, e-CON branch type, JST SM type
- ▶ Functional product
SIEMENS front connector, F40 front terminal, servo I/O terminal



**RELAY
TERMINAL**



Various product lineup of 1, 2, 4, 6, 8, 16, 32 points to suit the needs of users Relay terminal

- ▶ Slim size relay terminal with TAKAMISAWA NYP / OMRON G6D, G6-DN / PANASONIC PA-N relays
R1T Series, R4T Series, R6T Series, R8T Series, R16C-A Series, R16C-B Series, R32C Series, R32F Series, R16T/R32T Series
- ▶ 6.0~10.0mm size relay terminal with OMRON G6B relays
R2G-24V, R4G-24V, R4G-E Series, R8G-24V, R16G Series, R16G-F Series, R16G-EF Series, R32G Series
- ▶ 10[A] size relay terminal with PANASONIC AHN / OMRON G2R relays
R4A/R4P Series, R16A/R16P Series, R4W-DC24VC, R16W Series

**PHOTOMOS/SSR
TERMINAL**

- PhotoMOS Relay Series **DC전용**
- Solid State Relay Series **AC전용**
- Hybrid Relay Terminal Series



Semi-permanent lifespan, fast response speed, and high reliability solid state Relay terminal series

- ▶ DC input/DC load [PhotoMOS relay terminal]
Suitable for DC24V load with a rated load specification of 2.7A below 60V on the load side
- ▶ DC input/AC load [Solid State Relay terminal]
Suitable for inductive loads because it operates near the zero voltage of the AC load by loading the zero cross function as a standard and suppresses overcurrent and inrush current
- ▶ Hybrid relay terminal
Hybrid type relay terminal that can select and install a solid state relay and a general type relay on one terminal



Servo amplifier I/O can be wired without using a separate connection cable or terminal block terminal for SERVO I/O connection

- ▶ Cost-saving and space-saving possible because there is no need for a separate connection cable and terminal block
- ▶ By applying a push-in terminal block, the limit input and brake output of the servo amplifier can be easily wired in the field
- ▶ Easy to check input/output status by applying input/output operation indication lamp (SIO-J5□□)
- ▶ When applying general-purpose 20P/26P products, it is possible to connect signals such as sensor input, brake output signal, differential line driver, analog monitor output, etc. (no LED lamp)



Optimized for safety circuit configuration based on high performance safety safety relay & socket

As coil rated 24V DC and contact rated current 6A 250V AC / 6A 30V DC, it builds an efficient safety management system by applying safety specifications suitable for various industrial sites.

- ▶ High-speed response time - 8ms or less at coil rated voltage
- ▶ Excellent anti-collision performance of relays - Over 200m/s² malfunction
- ▶ Safety circuit control with forced guide contact structure
- ▶ Small, lightweight and slim design
- ▶ Fast delivery response and securing stock at all times
- ▶ Acquired "S" mark certification for industry-wide safety standards



UL LISTED CE

SM-S7-1500 SERIES

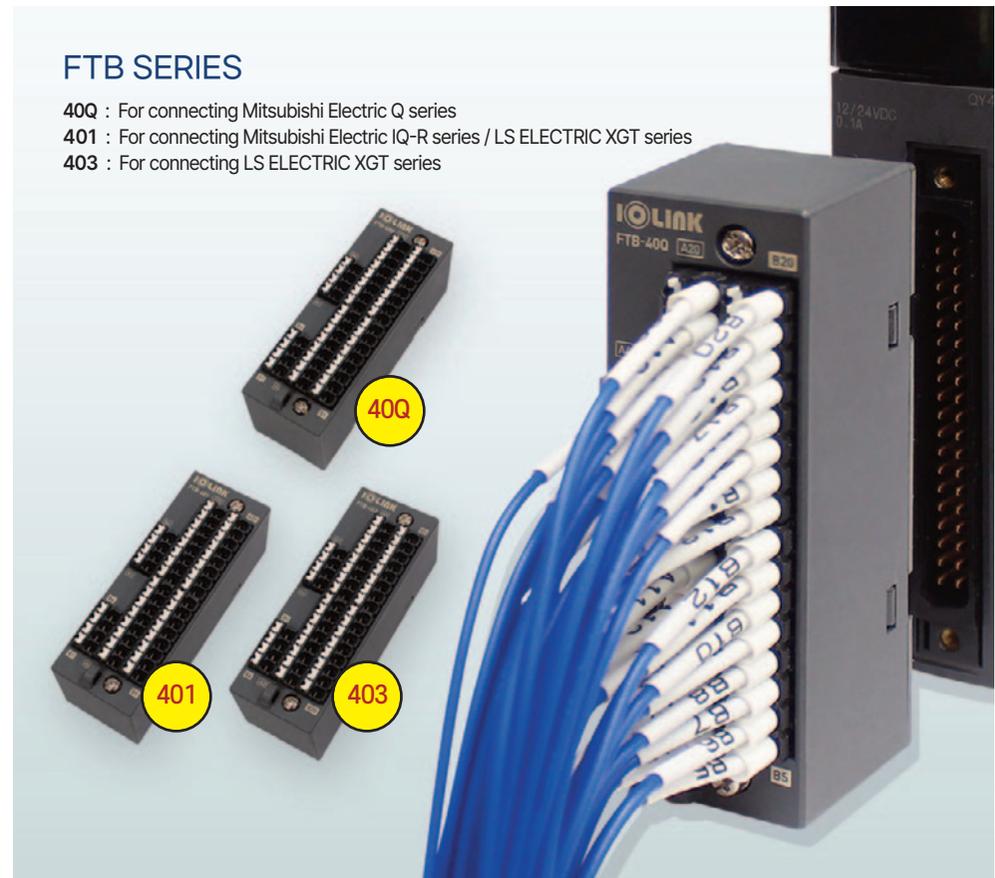
배선공수 절감 95%

SM-S7-1500 series, a front connector dedicated to Siemens S7-1500 PLC that reduced I/O wiring time by more than 95% for the first time in Korea

- ▶ Reduced wiring man-hours
I/O wiring speed is innovatively reduced by using a module equipped with a connector instead of a screw type terminal block module
- ▶ Easy connection with our terminal blocks and relay terminals
Wiring by connector enables connection with our products with standardized cables, and terminal blocks and relay terminals suitable for the purpose can be selected and used.
- ▶ Possible to supply additional power for each byte
Byte-by-byte (Byte 0-1, 2-3) common power can be supplied additionally, so various loads can be wired (SM-S7-1500A)
- ▶ Improved user convenience by applying a structure that can attach analog card shielding element and power supply element

FTB SERIES

- 40Q : For connecting Mitsubishi Electric Q series
- 401 : For connecting Mitsubishi Electric IQ-R series / LS ELECTRIC XGT series
- 403 : For connecting LS ELECTRIC XGT series



F-40 connector conversion terminal that can be wired directly to the PLC FTB series

- ▶ Convenient wiring work by applying a push-in terminal block and suitable for environments with vibration
- ▶ Optimal for environments where space is limited as it does not use a separate connection terminal block
- ▶ Applicable to PLC I/O, positioning unit, high-speed counter, etc., improving user convenience

Model Configuration

FTB - 40 Q
① ② ③

- ① F-40 connector conversion terminal
- ② Number of connector PINs
- ③ Connector Direction and Applicable PLC

SEALED CONNECTOR

DSC Series

- D-SUB sealed connector**
- 5W5 / 9, 15, 25, 37 pins
 - 5 single types / 5 Double types



MSC Series

- MS sealed connector**
- 20 / 22 Shell
 - 8 Screw types / 8 Flange types



Suitable for vacuum and nitrogen gas environment sealed connector

Leakage level up to 10^{-7} Torr is guaranteed, and it is suitable for equipment requiring vacuum and equipment using helium and nitrogen gas

- ▶ High vacuum connector suitable for nitrogen gas and vacuum environment of LCD and OLED equipment
- ▶ The fastening method of both ends connector is easy and maintenance is easy
- ▶ MIL standard MS connector compatibility makes it easy to supply connectors (MSC Series)
- ▶ Composed of bolt fastening method and flange fastening method for easy maintenance (MSC Series)
- ▶ D-Sub 5W5 / 9, 15, 25, 37pin configuration commonly used for communication and I/O (DSC Series)

EZclamp

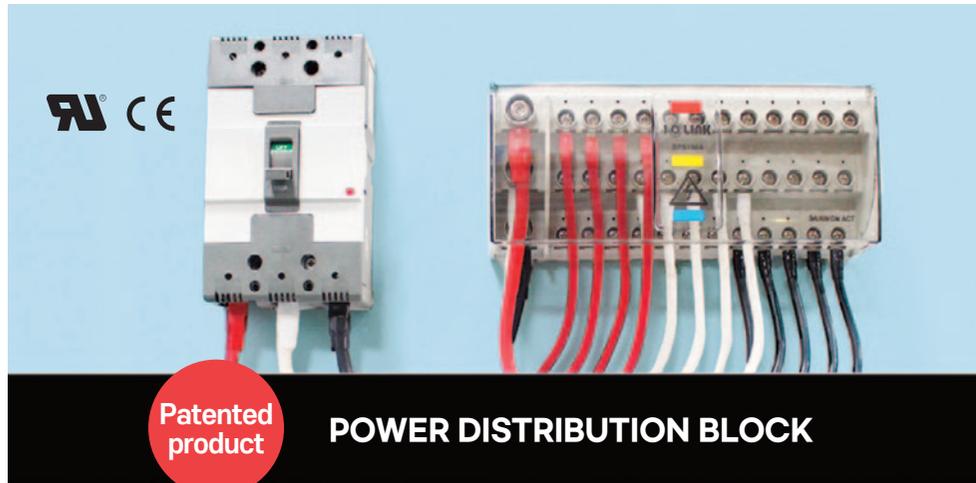
EASY AND QUICK CONNECTION



For sensor and IN/OUT signal connection, IDC connector EZ-Clamp

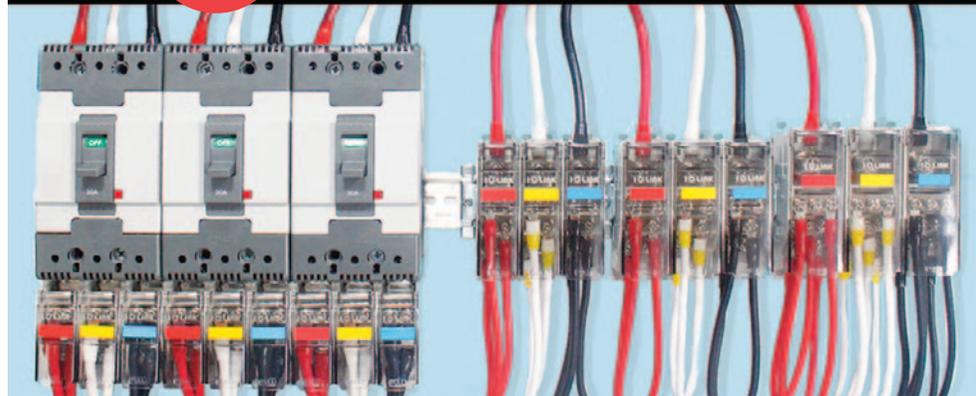
Reduction of wiring work and realization of economical price!
3P, 4P, 5P connector for cable relay connection and branch board connection

- ▶ Electrically safe as the contact is inside the body
- ▶ 2mm pitch e-con compliant connector suitable for sensors and I/O signals by applying a wide range of suitable wires
- ▶ A labor-saving type that connects only by inserting an electric wire and crimping!

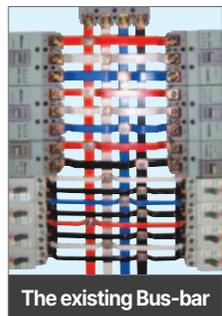


Patented product

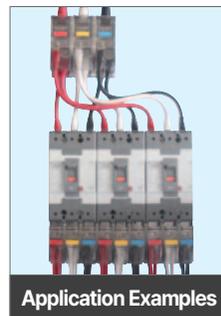
POWER DISTRIBUTION BLOCK



A new concept power distribution block that does not require the manufacturing of a busbar



The existing Bus-bar



Application Examples

The existing Bus-bar needs to be processed and exposed, and it is a safety hazard such as an electric shock. Power Distribution Block does not require any additional processing and is manufactured with all-in-one case IEC standards for electrical safety.



SPS/SPD series

Optimized for space saving Large capacity 200A / 250A capable screw-type power distribution block

- Space saving is realized with the same width as the circuit breaker
- Protective cover installed on the primary side of the SPS series
- Anti-slip terminal V-groove applied
- Hinge-type window structure makes wiring easy, and a safety window can be selected for electric safety
- Up to 24 branches can be branched with a structure that does not interfere with the pairing of terminals (12 x M4 model)
- Easy to install and maintain by screwing and channel (Din Rail) mounting
- Various color code plates are built-in, so it can be installed according to the user's purpose



BPS/BPD series

Suitable for busbar usage environment 3-phase case-integrated power distribution block

- Low risk of short circuit and electric shock as only the bolted part of the case is exposed
- Structure with excellent convenience and stability
- Excellent space utilization due to free arrangement (Din rail and panel direct mounting possible)
- Front and side wiring possible to input terminal (free installation position)
- Various branch specifications (4, 8, 12 branches) provide a wide range of choices according to the user's equipment and equipment conditions
- Various color code plates are built-in, so it can be installed according to the user's purpose



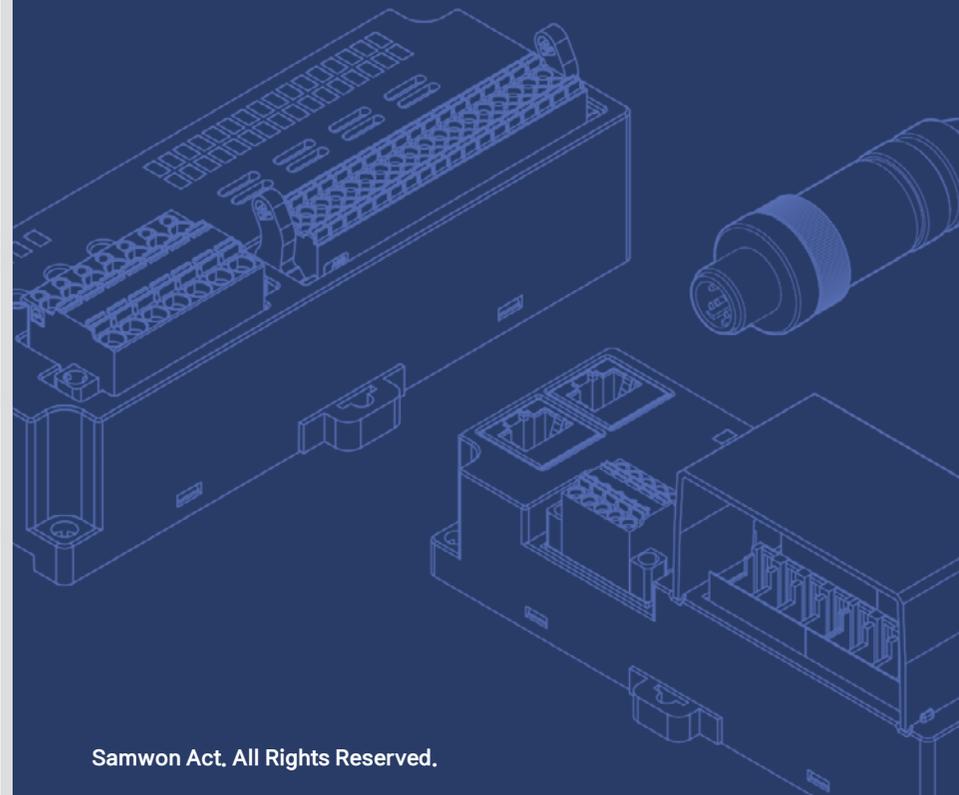
XK2 /XK2S series

No terminal processing required european power distribution block

- High voltage distribution block with rated voltage of 690V
- Electrically safe structure with integrated case (IP20)
- No busbar work is required, so the size of the panelboard can be reduced. Installation and maintenance are convenient as screw fastening and DIN rail mounting are possible
- No terminal processing required, so operation is easy
- Various color code plates are built-in, so it can be installed according to the user's purpose

IONET

FIELD
NETWORK
SOLUTION



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EtherCAT[®] Ethernet GigE Vision

INDUSTRIAL NETWORK
CONNECTION CABLE



EtherCAT[®]
M12 / RJ45 cable



Ethernet
M12 X-coded RJ45 cable

10GigE
Vision
Cat.6A RJ45 cable

GigE Vision
Cat.5e RJ45 cable

Accurate and fast data transmission without signal loss based on excellent shielding performance in various industrial environments
CAT.6A & 5E Industrial network communication cable

- ▶ Guaranteed product reliability by performing patch cord test on all network cables!
- ▶ Application of M12 X-Coded and D-Coded standard connector suitable for IP67
- ▶ Various cable line-ups that guarantee transmission speed of 1G bit/s and 10G bit/s
- ▶ Applicable to various industries such as motion control, GigE machine vision camera, controller, etc.

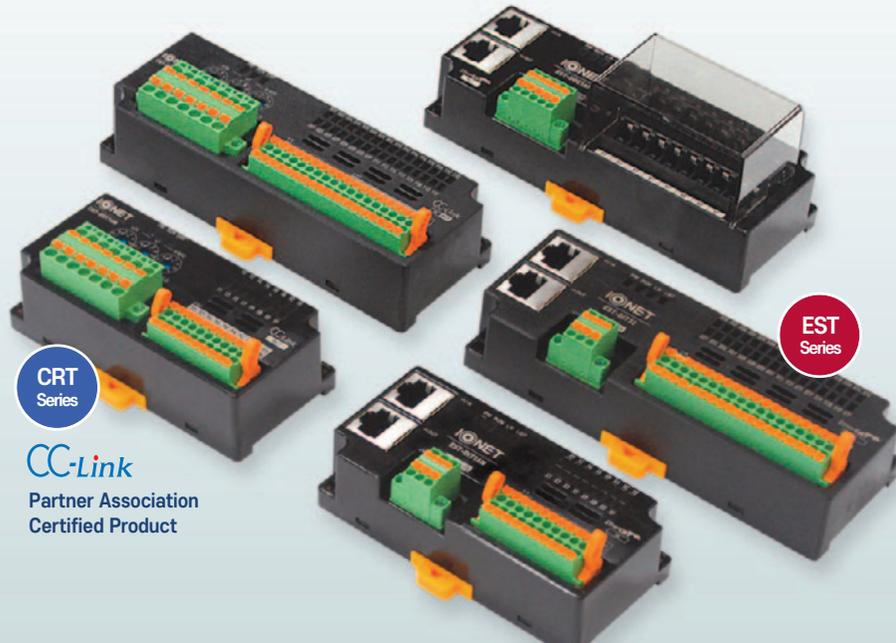
Conducted wiring certification for all industrial network cables!

By introducing FLUKE Networks' Analyzer equipment, we perform 100% Patch Cord Test, which is stricter than the standard channel test, for all industrial network cables produced by Samwon Act.



CC-Link EtherCAT

REMOTE I/O TERMINALS



CRT Series

EST Series

CC-Link
Partner Association
Certified Product

High-speed data transfer possible compact sized industrial network Remote I/O terminal

CC-Link Remote Digital I/O Terminals

A remote terminal of CC-Link Ver1.1 that can support up to 64 stations and a transmission distance of 100m at a high communication speed of up to 10Mbps

EtherCAT Slave Digital I/O Terminals

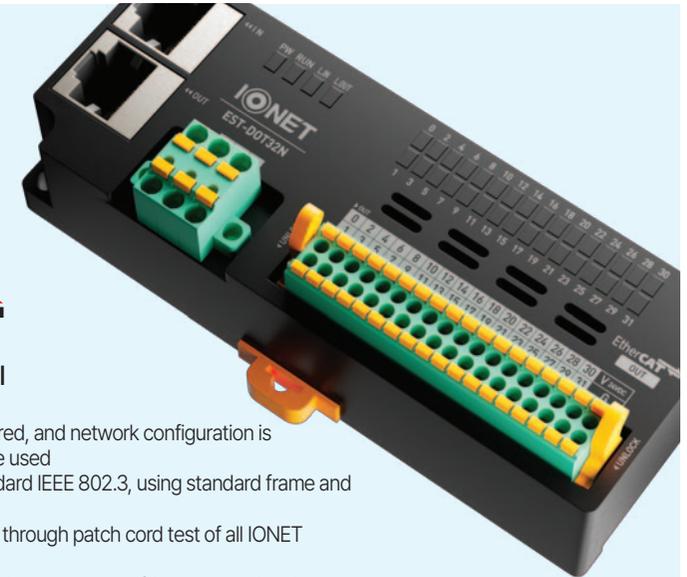
EtherCAT communication I/O terminal, a high-performance industrial Ethernet with various topologies (line, bus, tree, and star)

CE

EtherCAT

Slave Digital I/O Terminal

- No network settings are required, and network configuration is convenient as no switches are used
- Compliant with Ethernet standard IEEE 802.3, using standard frame and physical layer
- Guaranteed product reliability through patch cord test of all IONET network cable products
- Synchronization is possible with an accuracy of 1 ns, supporting the connection of various devices without topology limitations

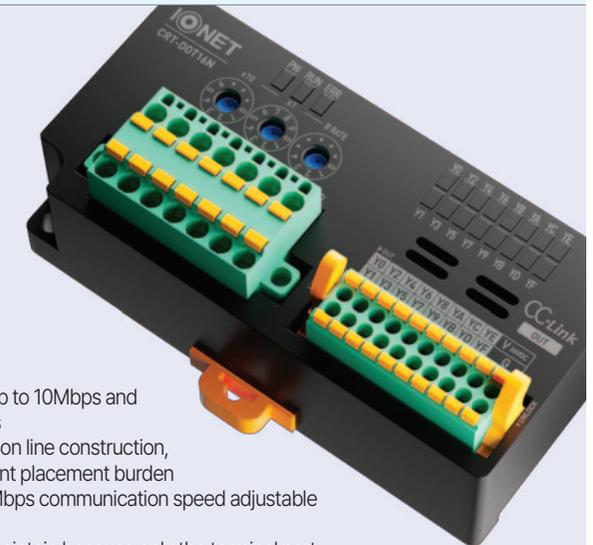


CC-Link Partner Association
Certified Product

CC-Link

Remote Digital I/O Terminal

- Supports fast communication speed of up to 10Mbps and can use slave boards of up to 64 stations
- Flexible response to large-scale automation line construction, minimization of wiring work and equipment placement burden
- 156Kbps/625Kbps/2.5Mbps/5Mbps/10Mbps communication speed adjustable according to distance
- When replacing remote I/O, it is easy to maintain because only the terminal part can be separated and replaced without disassembling the wiring of the terminal block.



MACHINE VISION CABLE



Machine vision cable that realizes stability of low frequency distortion and attenuation through thorough quality control

FIELDBUS CABLE

- DeviceNet(THIN) M12 A-code
- DeviceNet (THIN, THICK) 7/8"-16UN
- PROFIBUS DP M12 B-code
- CC-Link M12 A-code
- EtherCAT M12 D-code
- PROFINET M12 D-code
- EtherCAT / PROFINET RJ45
- 7/8"-16UN Power Cable
- DeviceNet / PROFIBUS DP /
- CC-Link Terminator
- DeviceNet / CC-Link / Ethernet Cables



A connector-integrated cable
No separate wiring work required Fieldbus cable

CXP series



CoaXPress Vision connection cable

- Highly flexible CoaXPress machine vision cable with transmission speeds of up to 12.4 Gbps.
- CXP12: Maximum length of 10m, CXP6: Maximum length of 20m guaranteed
- Suitable for high-speed operation and high-bending environments by realizing excellent transmission characteristics and bending resistance

SCL series



Camera Link Vision connection cable

- Connection cable between camera and frame grabber using camera link interface
- Base, Medium/Full Config of Camera Link interface. correspondence cable (2 cables are required for Medium/Full Config.)

SGE series



GigE, 10GigE Vision connection cable

- Connection cable between FA network camera and PC
- ANSI/TIA 568-B.2 CAT5e specification and ANSI/TIA 568.2-D CAT6A specification high-speed transmission cable are applied, suitable for GigE and 10GigE Vision

SCA series



Analog Camera connection cable

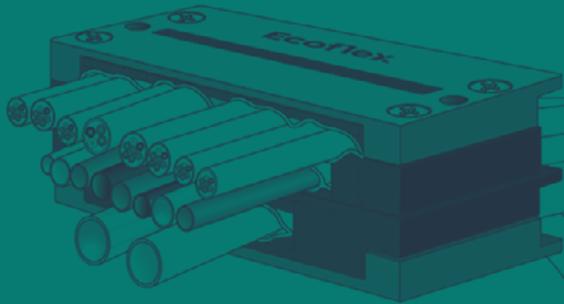
- Connection cable between analog interface camera and camera adapter
- Supply selectable products according to camera installation space (straight, angle)



- Improving competitiveness with lower unit price compared to foreign products
- Response to small orders and realization of short delivery times
- Prevention of miswiring by quality inspection by a dedicated tester
- Possible to respond to customer-specified specifications by operating our own production facilities

Ecoflex

EXCLUSIVE
OPERATING
CABLE SYSTEM
FOR
CLEANROOM



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CLEAN WIRING
SOLUTION

**ZERO deflection
even with heavy cable
configuration!**



Low
noise

Low
vibration

Dust
free

The longest
stroke in Korea
6M



Applicable to cleanroom operation environment of LCD, OLED, and semiconductor facilities exclusive operating cable system for Cleanroom

Compact type | Compact type with 20% reduction in size

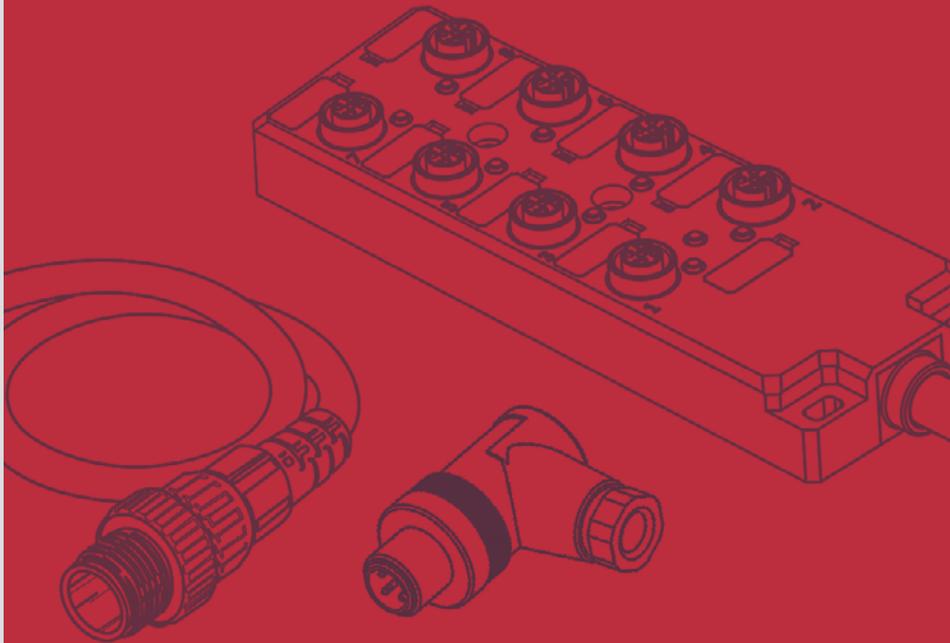
Standard type | Standard type with proven performance and stable structure

Long-stroke type | Korea's longest 6M long-stroke type

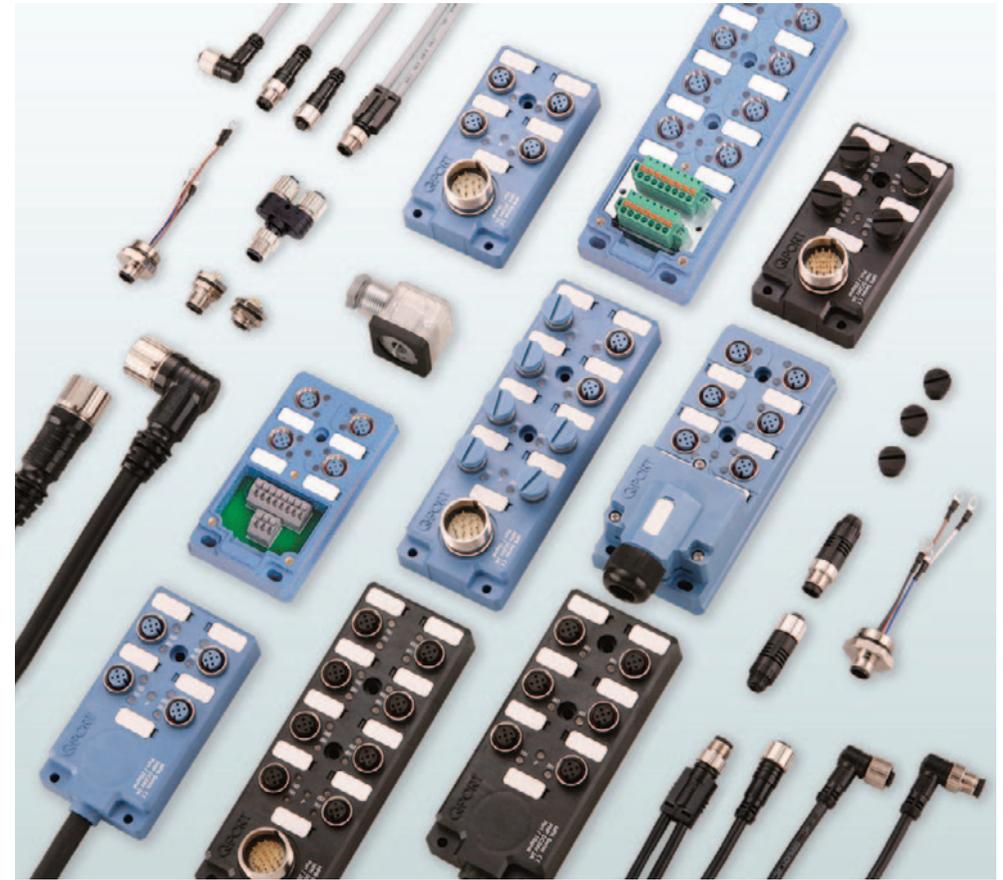
- Dust-free realization by embedding support structure and cables in the Teflon jacket(POD) made of ePTFE material
- The layer structure enables product configuration in a simple size even with a large number of cables
- Realization of operation life of over 10 million cycles without friction reduction and kinking
- Products can be configured according to the user's equipment conditions with various applications (100% made-to-order, no limit on order quantity)
- Applied by replacing the cable installation part in the cable veyor used in the cleanroom

QPORT

SENSOR & FIELDBUS
CONNECTION
SOLUTION



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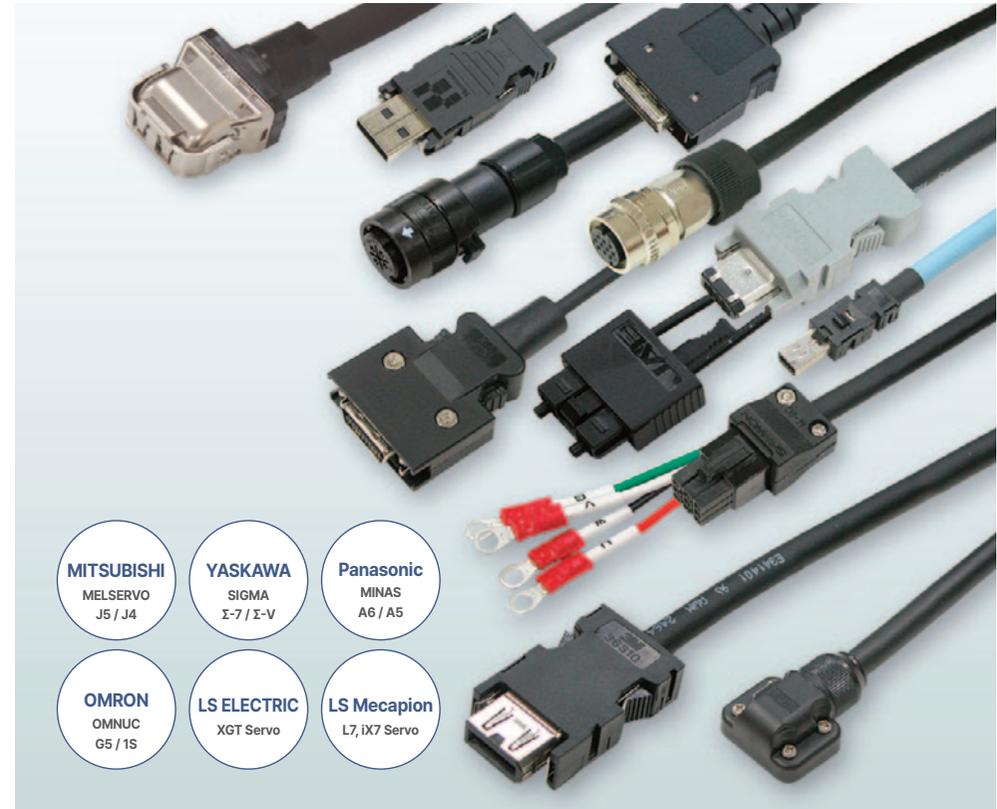


Sensor & Fieldbus Connection Solution

- MPA Series | Main cable integrated-type M12 branch box
- MPB Series | Main cable separation-type (M23) M12 branch box
- MPT series | Terminal block mounting-type M12 branch box
- MSA Series | Main cable integrated-type M8 branch box
- MSB Series | Main cable separation-type (M23) M8 branch box
- M12S sensor connection cable
- M8S sensor connection cable
- M23 MPB, MSB main cable
- VPA, VPB, VPC, VDC valve plug cable
- M12A Pre-assembly solder-type / Bolt type / IDC type
- M8A Pre-assembly bolt-type

FA Harness
Solution

FA CABLE HARNESS
SOLUTION



mitsubishi
MELSERVO
J5 / J4

YASKAWA
SIGMA
Σ-7 / Σ-V

Panasonic
MINAS
A6 / A5

OMRON
OMNUC
G5 / 1S

LS ELECTRIC
XGT Servo

LS Mecapion
L7, IX7 Servo

Servo cables that can be manufactured according to customer needs

- Manufacture of various domestic and foreign servo connection cables**
Samwon Act manufactures and sells servo connection cables distributed in Korea such as Mitsubishi Electric, Yaskawa Electric, Panasonic, Omron, LS Electric, and LS Mecapion.
- Securing stock of cables and connectors at all times**
We respond to customer needs with short delivery times and small batch production by always stocking fixed cables, moving cables for cable veyors, high-flex cables for robots, and connectors for servo connection.
- Separate production of servo cables for moving according to the operating environment**
In order to be able to select according to the user's environment, the range of customers' choice has been expanded by separately producing high-flex servo cables (FE), medium-flex servo cables, and servo cables dedicated to cable veyors (XL).
- Corresponds to custom-made harness cables**
In addition to ready-made servo cables, we also manufacture special specification harnesses according to customer needs.



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