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AUTOMATION

SMART CONTROL, AUTOMATION AND HMI SYSTEMS

www.ermec.com

RELIABILITY, INNOVATION, QUALITY, INTEGRITY

A MODERN PARTNER IN ELECTRONIC AND ELECTROMECHANICAL COMPONENTS

Omega is a leader in the distribution and production of electronic and electromechanical components, offering dedicated services to support and strengthen customer relationships.

Today, Omega is an international group in steady growth, with branches across Europe and a structured plan for further expansion. It positions itself as a modern, reliable partner for the distribution of electrical and electromechanical components.

OUR PARTNERS: AN ADDED VALUE

CHOSEN THROUGH YEARS OF EXPERIENCE, OUR PARTNERS ENSURE THE HIGHEST STANDARDS.

With a strong presence across Mediterranean Europe, Omega covers all major markets and application areas, maintaining a direct and constant relationship with its customers - always focused on maximum efficiency.

IDEC · APEM an IDEC company · mec switches · EATON Bussmann · THERMODISC · bel POWER | PROTECT | CONNECT · FUZETEC · bulgin · ADELS contact · IEC LOCK by Scolmore · ODU · COSEL · DURACELL · ETI · Lumberg · JOHNSON ELECTRIC · ROTEK · Mellor · HeTai · GGM · EDK · HERGA · SMARTSCAN · RISUN · PELKO Motors · KAKU · Littelfuse Expertise Applied | Answers Delivered · min-tec · EFEN

PLC/CONTROLLERS

FC6A PLUS

Ideal for both large-size machines and small size production lines
High performance
Easy programming features

SX8R SERIES

Wide range of I/O modules (48 models) to build a highly efficient and suitable remote I/O system

FT1J SERIES

4.3 inch all-in-one automation solution
Combining a controller with an operator interface

FT2J SERIES

7 inch PLC / touchscreen combination
22 I/O expandable to 30
Embedded ethernet and serial communications

OPERATOR INTERFACES

HG5G SERIES

15" - Super bright
High resolution display, high performance
Visible from a distance and in well-lit surroundings
Resolution: 1024 (W) × 728 (H)
View angle: right and left
80°, up 60°, down 80°

HG4G SERIES

12.1" - Compact housing
Versatile interface
High performance operator interface with multimedia functions

HG2J SERIES

7" - High performance and feature rich touchscreen
Using PCAP touch technology, it can be used even with gloves
UV, scratch, water and chemicals resistant
The HG2J is IoT compatible

HG1J SERIES

4.3" - Compact, rugged and IoT
Ready operator interface
Bright TFT color display
Durable PCAP touchscreen and remote monitoring

LASER SCANNER

SE2L SERIES

The smallest Safety Laser Scanner in the world
Master & slave connectivity (Up to 4 devices and ethernet connectivity)
Superior resistance to dust, uv radiation and splashes
Up to four SE2L can be connected together which is ideal for detection of four sides on AGVs

PRESSURE-SENSITIVE SENSORS

HK SERIES

All edge switches can be selected to be safety edge switches by using a doubled termination (4-wire system), allowing machine builders to adapt the level of protection as safety requirements evolve
When combined with the HR6S-AK safety relay module, the Safety Edge Switch achieves EC type certification
Certified by TÜV NORD
Applicable standards: EN ISO13856-2:2013, EN 12978:2003+A1:2009
Functional Safety: Category 3, PLd (ISO13849-1)

REMOTE CONTROL PENDANTS

HT4P SERIES

A tablet holder that enables any industrial tablet to provide operation safety
Wired LAN connection
Mechanical switches or custom products like joysticks

HT3P SERIES

Adaptable tablet holder, that can guarantee foolproof safety
Incorporating HE5B enabling switch and a XA1E e-stop switch

HG1P SERIES

Hand-held operator interface with a 4.3" touch screen
Simple configuration using the IDEC Automation Organiser WindOINV4 programming software and Integrated Ethernet and Serial (RS232 & RS485) communication

ENABLING SWITCHES & GRIP SWITCHES

HE2B SERIES

Two 3-position contacts - 0, 1 o 2 extra monitoring contacts
70 x 12.2 mm + 2 x Ø 3.2 holes panel cut-out
IP40 (no cap.) IP65 (with cap)
Actuating force: pos. 1>2 4N, pos. 2>3 30N
Black, yellow or grey - Approved

HE3B SERIES

Two 3-position contacts - 0 extra monitoring contacts
Ø 16.2 mm
+ 1 x Ø 3.2 hole panel cut-out
IP40 (no cap.) IP65 (with cap)
Actuating force: pos. 1>2 ~4N, pos. 2>3 ~20N
Black, yellow or grey - Approved

HE5B SERIES

Two 3-position contacts
0 extra monitoring contacts
Ø 16.2 mm panel cut-out
IP65 (with cap)
Actuating force: pos. 1>2 3N, pos. 2>3 17N
Black, yellow or grey
Approved

HE6B SERIES

Two 3-position contacts
1 or 2 extra monitoring contacts
29.4 x 16.2 mm + 2 x Ø 3.2 holes panel cut-out
IP65 (with cap)
Actuating force: pos. 1>2 4N, pos. 2>3 17N
Black and yellow
Approved

HE1G-L SERIES

Palm-grip
Extra monitoring contacts: optional, 1
E-stop: optional, 2NC
Switch: optional, 1
Interlock switches: HS5 - Cable gland included
No handstrap
Optional mounting bracket HE9Z-GH1 - Approved

HE2G SERIES

Palm-grip
Extra monitoring contacts: 1 - E-stop: optional, 2NC
Switch: optional, max 2 switches, DPDT
Pilot light: optional, green
Key selector: optional, 2 pos. DPDT
Interlock switches: HS5
Cable gland included
Optional handstrap HG9Z-PS1 - Approved

HE9Z SERIES

Thumb-grip
Cable gland included
No handstrap
Optional mounting bracket HE9Z-GH1
Approved

E-STOP SWITCHES

X6 SERIES

Ø16mm panel hole
Ø30mm and Ø40mm operator sizes
With safety break technology
Up to 2 contacts (NC:1,2 / NO:0)
Solder/tab, solder terminals
Approved
Push to lock, turn or pull to reset
Smooth head

XA AND XW UNIBODY SERIES

Ø16mm (XA) and Ø22mm (XW) panel hole
Ø29mm operator size
With safety break technology
Up to 3 contacts (NC 1 or 2 / NO 1)
Solder/tab, solder terminals
Illuminated, color-changing
Push to lock, turn or pull to reset
Approved

XA SERIES

Ø16mm panel hole
Ø29mm and Ø40mm operator sizes
With safety break technology
Up to 4 contacts (NC:1,2,3,4 / NO:0,1)
Solder, PCB terminals
Approved
Push to lock, turn or pull to reset
Also illuminated

YW SERIES

Ø22mm panel hole
Ø40mm operator size
Up to 2 (ill.), 3 (non-ill.) contacts (NC:1,2,3 - NO:0,1)
Screw, push-in terminals
Approved
Push to lock, turn or pull to reset

HW SERIES

Ø22mm panel hole
Ø29mm, Ø40mm and Ø60mm operator sizes
Up to 4 contacts (NC: 1,2 / NO: 0,1,2)
Screw, push-in terminals
Push to lock, pull, turn or key to reset
Approved

XW SERIES

Ø22mm panel hole
Ø38mm, Ø40mm and Ø60mm operator sizes
Up to 4 contacts (NC: 1,2,3,4 / NO: 0,1)
Screw, solder and PCB terminals
Push to lock, turn or pull to reset
Illuminated (Green visual indicator)
Approved

XN1E SERIES

Ø30mm panel hole
Ø40mm and Ø60mm operator sizes
With safety break technology
Up to 4 contacts (NC: 1,2,3,4 / NO: 0,1)
Screw terminals
Push to lock, turn or pull to reset
Illuminated
Approved

XN4E SERIES

Ø30mm panel hole
Ø44mm operator size
Up to 4 contacts (NC: 1, 2, 3, 4) / NO: 0,1)
Screw terminals
Push to lock, turn to reset
Illuminated
Built in padlock
Approved

EU2B SERIES

Ø16mm panel hole
Ø40mm operator size
Up to 3 contacts (NC: 1,2,3 / NO: 0,1)
Screw terminals
Push to lock, turn or pull to reset
ATEX
Hazardous locations
Approved

ES SERIES

Ø22mm panel hole
Ø34mm operator size
Metal e-stop
IP65, IP67 and IP69K
Compliant with EN 60947-5-1
IK10 impact resistance, with no axis deformation even exposed to major shocks

EC COMPACT SERIES

Ø22mm
IP65
Only 18.7mm of behind panel depth
Approved according to EN 60947-5-1, EN 60947-5-5

ES FOR PCB SERIES

Ø22mm - 2 poles
IP65
Resist to vibration
UL qualified - PCB mounting
Approved according to EN 60947-5-1, EN 60947-5-5

A01 SERIES

Ø16mm
IP65
Back panel sealing IP40
Locked/unlocked status indicator
Approved according to EN 60947-5-5

RFID TAG READERS

KW2D

Compatible with contactless cards such as employee IDs or Keyfob tags
Connection: Ethernet port
Communication protocols: Modbus TCP
Planned: Ethernet/IP and CC-Link

WB1F SERIES

Code scanner
1D CCD scanner with convenient modes, such as test mode
Compact and can be installed on small equipment

FOOTSWITCHES

HEAVY-DUTY FOOTSWITCHES

- Available in different colours
- IPX7 protection rating
- Also available in versions with potentiometer

FOOTSWITCHES

- Wide range of colours and switching options
- Available in multipedal versions
- IPX2 and IPX7 protection rating – IPX8 on request
- Also available with Bluetooth® connectivity

FOOT-OPERATED ELECTRONIC POTENTIOMETERS

- Variable voltage output
- Solid-state optical sensor
- Cost-effective solution
- Custom colours and logos available
- IPX2 protection rating

SAFETY GUARDS

- Mild steel construction
- Black or grey powder-coated finish
- Available in single or double versions
- Ergonomic shaped handle

HAND CONTROLS

- Ergonomic design
- Lightweight and easy to handle
- Available in electric, pneumatic and infrared versions
- Up to 6 selectable buttons

6240 SINGLE PEDAL FOOTSWITCH

- Available with aluminium or plastic base plates tough flexible cover
- Degree of protection EN 60529 IP67 (IP68 upon request)
- Connection method stripped cable cores or connector of your choice

INDUSTRIAL CONNECTORS

BLUE LINE MODULAR CONNECTORS

- Manual or automatic connection
- Plastic or aluminum body
- 10.000 mating cycles
- High contact density
- Types: signal, power, current, coaxial, compressed air, fluids, optic fiber, datas, PCB

ELECTRICAL CONTACTS

- Versatile contact technologies
- Reliability and durability - up to 1 million mating cycles
- Current-carrying capacity of up 2,400A
- Stamping technology for customer-specific high volume solutions
- High vibration and shock resistance
- Low, stable contact resistance

Ø8 TO Ø16 SWITCHES

A8 SERIES

Ø8mm - Up to 1 pole
IP40 -Approved
Illuminated
Solder terminals
Monobloc contact
Light duty (up to 1A)

A1 SERIES

Ø10mm - Up to 1 pole
IP40 - Approved
Illuminated
Solder terminals
Monocloc contact
Light duty (up to 1A)

A2 SERIES

Ø12mm - Up to 2 poles
IP65 or IP40 - Approved
Illuminated
Solder terminals
Monobloc contact
Light duty (up to 1A)

A6 SERIES

Ø16mm - Up to 2 poles
IP65 or IP40 - Approved
Also illuminated
Solder/tab or PCB terminals
Monobloc contact
Light duty (up to 1A)

LB SERIES

Ø16mm - Up to 3 poles
IP65 - Approved
Illuminated
Solder/tab or PCB terminals
Separable contat blocks
Light duty (gold/silver contacts, up to 5A)

Ø18 TO Ø22 SWITCHES

LB FLUSH SERIES

Ø18mm - Up to 3 poles
IP65 - Approved
Illuminated
Solder/tab or PCB terminals
Separable contact blocks
Light duty (gold/silver contacts, up to 5A)

MW SERIES

Ø18mm - Up to 2 poles
IP65, IP66 - Approved
Solder/tab or screw terminals
Monocloc contact
Heavy duty (up to 10A)

CW SERIES

Ø22mm - Up to 6 poles
IP65, IP67 - Approved
Also Illuminated
Screw or push-in terminals
Modular contact
Heavy duty (up to 10A)

LBW SERIES

Ø22mm - Up to 3 poles
IP65 - Approved
Solder/tab or PCB terminals
Separable contact blocks
Light duty (gold/silver contacts, up to 5A)

LW SERIES

Ø22mm - Up to 3 poles
IP65 - Approved
Illuminated
Screw/tab, PCB or screw terminals
Separable contact blocks
Light duty (gold/silver contacts, up to 5A)

YW SERIES

Ø22mm - Up to 6 poles
IP65 - Approved
Also illuminated
Screw or push-in terminals
Separable contact blocks
Modular contact
Heavy duty (up to 10A)

HW7D SERIES

Ø22mm - Up to 4 poles
IP65 - Approved
Illuminated
Screw, push-in terminals
Modular contact
Heavy duty (up to 10A)

HW1R SERIES

Ø22mm - Up to 4 poles
IP65 - Approved
Screw or push-in terminals
Modular contact
Heavy duty (up to 10A)

HW1M SERIES

Ø22mm - Up to 4 poles
IP65 - Approved
Screw or push-in terminals
Modular contact
Heavy duty (up to 10A)

Ø25 TO Ø30 SWITCHES

TW SERIES

Ø22, Ø25 and Ø30mm - Up to 4 poles
IP65 - Approved
Illuminated
Screw
Modular contact
Heavy duty (up to 10A)

INTERLOCK SWITCHES

HS6E/6B SERIES

Small and thinnest solenoid interlock switch with five poles and solenoid. HS6B: World-class compactness with three poles of contacts

HS5D SERIES

Compact and robust miniature safety interlocks with Plastic or stainless steel heads
Design includes a fail safe tamper detection head

HS LOCKING SWITCHES

Range of safety locking switches, ranging from 500N to the new HS1T 5000N locking switch

HS7A SWITCHES

Compact size
and easy positioning

HS3A SWITCHES

RFID non-contact interlock swich
Category 4 and PLe compliant

SAFETY WHEEL DRIVES

SWD CORE

Gear motor
Peak torque: 37Nm
Nominal power: 185W
Speed range: 0 to 130rpm

SWD 125

Medium duty wheel drive - Ø125mm
Peak pushing eff.: 20daN, 500Kg moved
Max vertical load: 250Kg
Speed range: 0 to 11Km/h

SWD 150

Heavy duty wheel drive
Ø150mm
Peak pushing effort: 60daN, 1500Kg moved
Max vertical load: 700Kg
Speed range: 0 to 3.7Km/h

SWD STARTER KIT

Development kit for AGV and AMR
Two SWD Safety Wheel Drives
One SE2L safety laser scanner
An industrial PC with ROS middleware or ez-Way navigation software
Safety features according to ISO 3691-4

RELAYS

RV8H SERIES

Ultra-slim
6 mm-wide interface relays
For high density mounting
Screw and spring clamp terminals
Release lever for easy relay locking and removal

RJ SERIES

Compact and rugged power relays
Large contact ratings

RU SERIES

Full featured
Environment-friendly
2 Pole (10 A), 4 Pole(6 A) relays
No lead or cadmium used

RL SERIES

Single pole, rated at 30A
Double pole rated at 25A
Ensures stable operation even when voltage drops momentarily

RF2 SERIES

Force guided relay
2 poles
Reduce cost and installation space
Two terminal styles
Socket mounting and PC board mounting

CIM1 SERIES

1 pole
Changeover contact
Contact material: AgNi
Max. 16 A @ 250 V AC / 30 V DC
Timing functions: E, A, K, N, B1, S, LS, B, W

SOCKETS

SJ AND RJ SERIES

SJ Series - Slim and space-saving sockets with marking plate for RJ and RF2
RJ Series - DIN-rail mount: standard, fingersafe, slim, spring-clamp panel mount (solder, wirewrap) and PC board mount

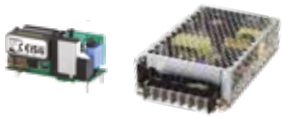
TERMINALS

PUSH-IN TERMINALS

One step wiring for quick and highly reliable connection
Compatible with PS3V power supply and SU/SJ relays sockets

POWER SUPPLIES

AC/DC POWER SUPPLIES



Power range: 10 W – 10 kW
Housing types: enclosed, open frame, PCB mount, chassis
Single or multiple output
Cooling types: natural/forced convection or conduction

DC/DC POWER SUPPLIES

Power range: 1 W – 2.5 kW
Housing types: enclosed, open frame, PCB mount, chassis
Single or multiple output
Cooling types: natural/forced convection or conduction

AC/DC DIN-RAIL POWER SUPPLIES

Power range: 60 W – 960 W
Single or three-phase input
Screw, spring, push-in installation type
Output Voltage: 12V - 24V - 48V

LED LIGHTING AND SIGNALLING

LD6A SERIES

60V - op. voltage 24VAC/DC
20 to 30mA per Tier
LED illumination
Flashing: yes
Noise: 70 to 90dB - 5 mounting options
Wire UL1007 - From IP23 to IP65 sealing options
Approved

HW1Z SERIES

30V - 18mA (24VDC), 8mA (12VDC)
LED illumination
Flashing: yes - Noise: 90dB min. at 0.1m (24V)/84dB min at 0.1m (12V) - 1 mounting option
Bushing diam. 22mm - Push-in terminals
From IP40 to IP65 sealing options - Approved

LH1D SERIES

32V - 24VAC/DC op. voltage - 17mA
LED illumination
1 mounting option
Wire UL20276
IP67 - Approved

HW1P-5Q4G SERIES

24VAC/DC op. voltage - 15mA
LED illumination
1 mounting option
Bushing diam. 22mm
Screw terminals
IP65 - Approved

LF2B SERIES

IP65 - 6.500K
Between 2.2W & 15.9W - 12/24VDC, 100 to 240VAC - Between 10lx & 1,350lx
Surface mounting
Clear and white cover
Cool light color

LF1D-C SERIES

IP65, IP67F, IP69K - 5.700K - 4.6W - 24VDC - 180lx
Surface mounting
Cool light color
Clear reinforced glass

LF3D-SB SERIES

IP65, IP67, IP67G, IP69K - 5.700K - 9.2W - 24VDC - 1800 lx (standard distr.) 1000 lx (diffused distr.)
Surface mounting
Clear, diffused and reinforced glass
Cool light color
Dimmable

LF3D-FB SERIES

IP65, IP67, IP67G - 5.700K - 9.2W - 24VDC - 1800lx (standard distr.) 1000lx (diffused distr.)
Recess mounting
Clear, diffused and reinforced glass
Cool loght color
Dimmable

A WORLD OF APPLICATIONS

AUTOMATION
- Control and management of industrial production processes

DEFENSE
- Military vehicles
- Communication systems
- Controllers

ELECTRONIC AND ELECTRICITY
- PBC
- Low and Medium Voltage
- Electric panels

ELECTRICAL APPLIANCES
- Large and small appliances
- Industrial appliances
- Professional cooking

VEHICLES
- Automotive
- Transports
- Agriculture
- Marine

GREEN ENERGY
- Photovoltaic
- Renewable
- Electric Vehicles
- Storage

LIGHTING
- Industrial plants
- Design

HVAC
- Refrigerated counters
- Hot/Cold systems
- Heating

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