

# J7KC: Push-in Plus Contactor

World's **smallest push-in (plus) contactor**

**Push-In Plus technology**  
to reduce both the Wiring and the Maintenance time.



No need re-tightening and realize high quality Machine/Panel resistant to vibrations

World's **Major Safety Standards**



# J7MC: Push-in Plus MMS



Adapted with **Omron Value Design Concept** and reduce TCO

**Push-In Plus** wiring

Rotary type

Rocker (Switch) and Rotary type

World's **Major Safety Standards**



# J7KCA: Push-in Plus Contactor Relay

# World's **smallest push-in (plus)** contactor

# Adapted with **Omron Value Design Concept** and reduce TCO



**Push-In Plus technology** to reduce both the Wiring and the Maintenance time

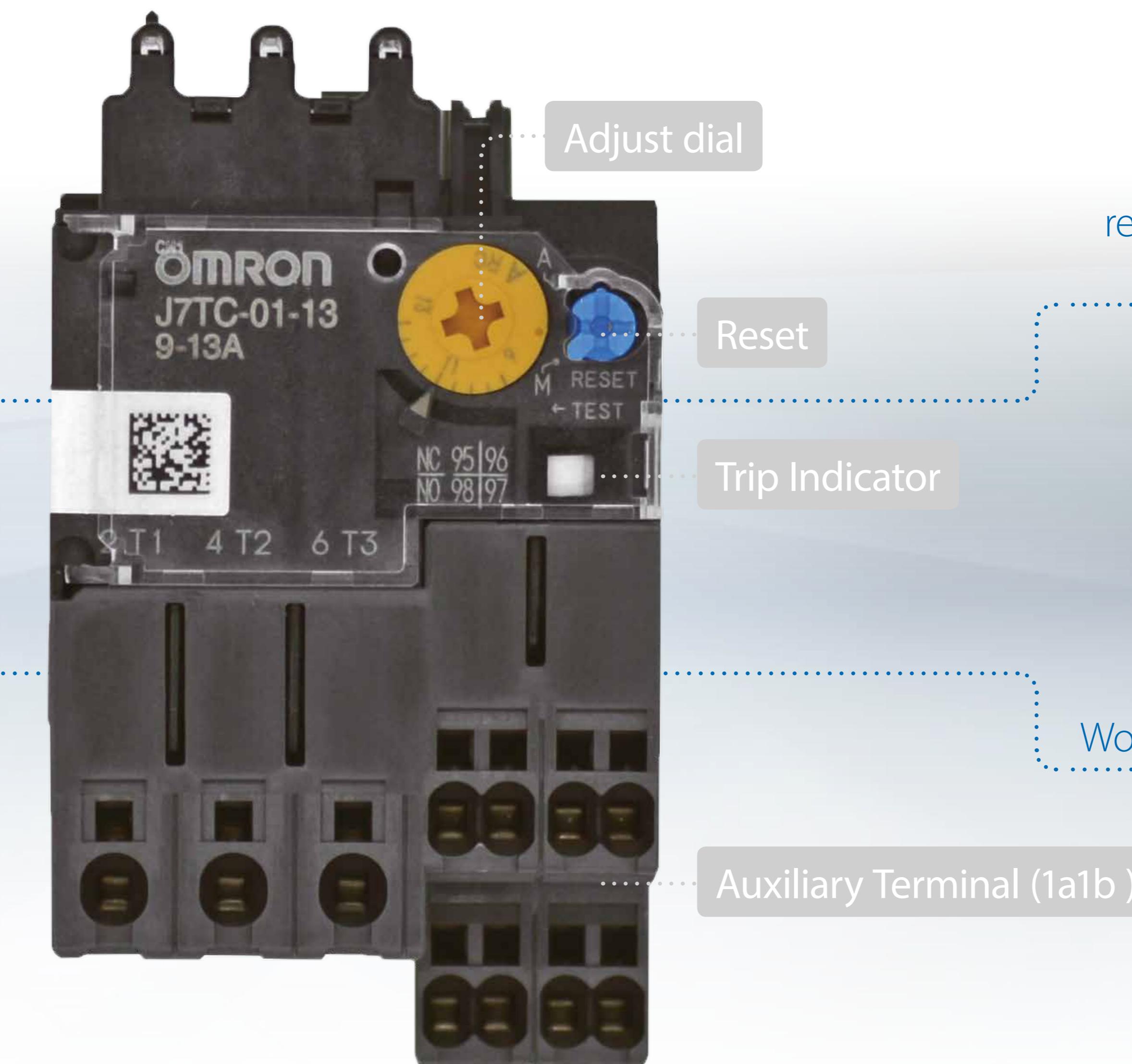
# World's Major Safety Standards



# J7TC: Push-in Plus Thermal Relay

World's **smallest push-in (plus) contactor**

Adapted with **Omron Value Design Concept** and reduce TCO



**Push-In Plus technology** to reduce both the Wiring and the Maintenance time

World's **Major Safety Standards**



# Strengths and opportunities

Smallest Push-in plus mini-contactor in the World: Range of products to cover up until 5.5kW 400VAC

- Models available with AC, DC, or low-power operating coils

## Enhanced Safety and Applicability

- Mirror contacts
- Short-circuit current rating (SCCR): 50kA 480V\*
- UL ratings: 480V 5HP and IEC ratings: 480V 12A (AC-3)

MMS  
Contactor



Contactor  
Thermal Relay



Reversing Contactor  
Thermal Relay



## International Safety Standards for Standard Models

- International standards for standard models: IEC, GB (CCC), JIS, UL, and TÜV

## Environmental Friendly

- RoHS Compliant (EU Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment)
- The materials used do not contain any of the six substances that are specified in the RoHS Directive or have less than the specified content percentages of those substances

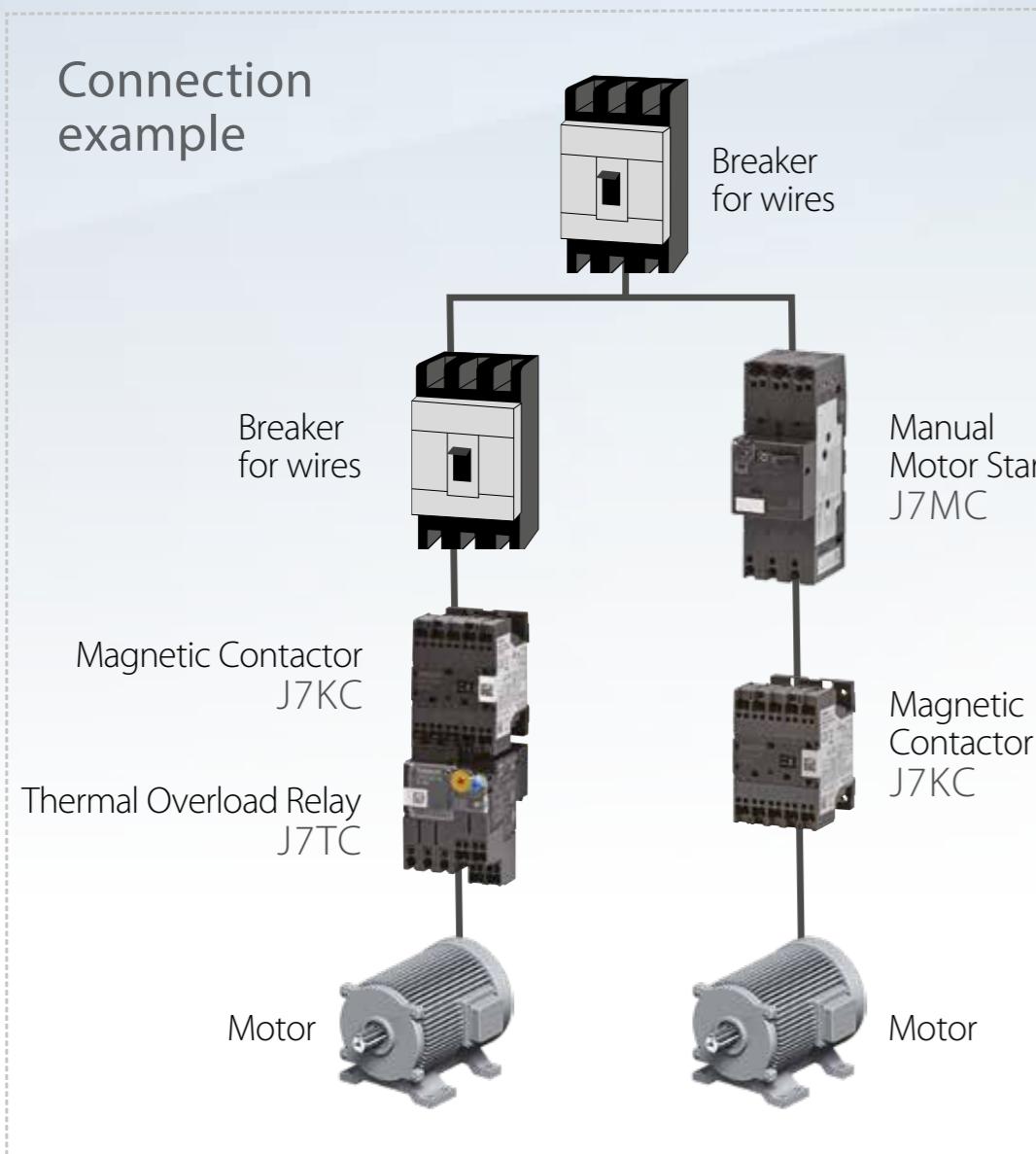
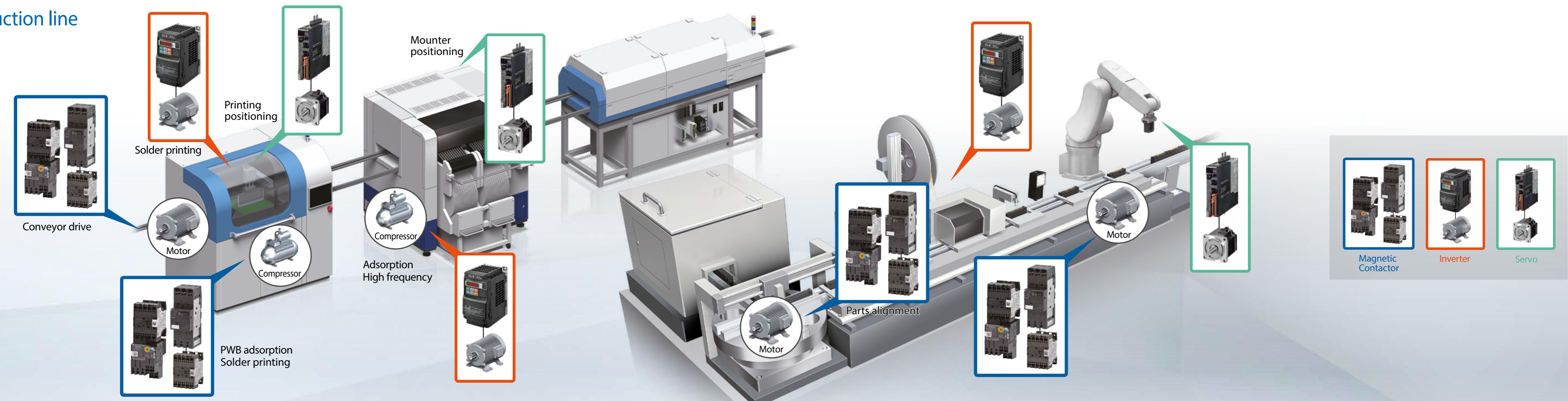
Product	Compliant Standards			Certified Standards			EC Directives	Certifying Body
	IEC International	EN Europe	JIS Japan	UL USA	CSA Canada	GB China		
Magnetic Contactors		EN	JIS					
Thermal Overload Relays								

Note: Legend: ■ : Compliance with standard models.

# Application examples

Machining center, Packaging machine, PCB assembly production line, an opportunity for **LVSG + Inverter/Servo Sales**

PCB assembly production line



Packaging machine



Machining center



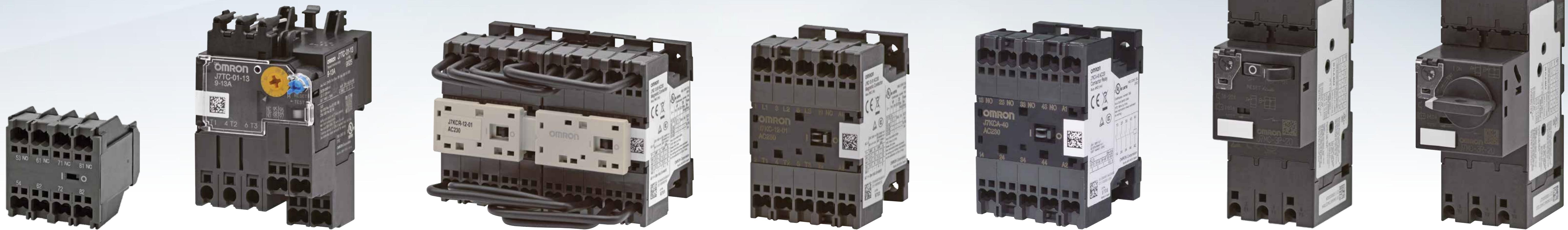
# Strengths and opportunities

## Strengths

- Push-in plus technology anti-vibrations
- Total Panel Solution Value with wide Line-UP
- Omron as total solution provider in all IA and SSC portfolio
- Wide distributor channel and sales

## Opportunities

- Changing the Wiring trend from Screw to Screw-less
- Downsizing of Machine/Panel
- Expand the Omron portfolio used by IA customers thanks to LVSG



# New LVSG line-up technical data

	Contactor	MMS	Thermal Relay	Reversing Contactor	Contactor Relay
					
Product Type	J7KC	J7MC	J7TC	J7KCR	J7KCA
Application		Belt conveyer, Fan, Pump, etc., <b>up to 5.5kW</b> * ON-OFF Switching control		Reversing motor	Relay Sequence
Rated	5.5kW@400VAC 15A (AC-1)	5.5kW@400VAC	5.5kW@400VAC	5.5kW@400VAC	3A (AC-12, 230V) 6A (AC-15, 230V) Bifurcated contact
Ambient Temp.			-10 to 55 °C, 45% to 85%RH, Altitude : up to 2000m		
Others	Other Application : Power Switching for each circuits	13 ranges of Trip current	19 ranges of Trip current	Ideal for "Direct-on-line" starting and plugging.	High Contact Reliability (5VDC, 3mA)