

# J7KC: Push-in Plus Contactor

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

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

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



World's **Major Safety Standards**



# J7MC: Push-in Plus MMS

Rocker type

Rotary type

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

Rocker (Switch) and Rotary type

Push-In Plus wiring

World's **Major Safety Standards**





# J7KCA: Push-in Plus Contactor Relay

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

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

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

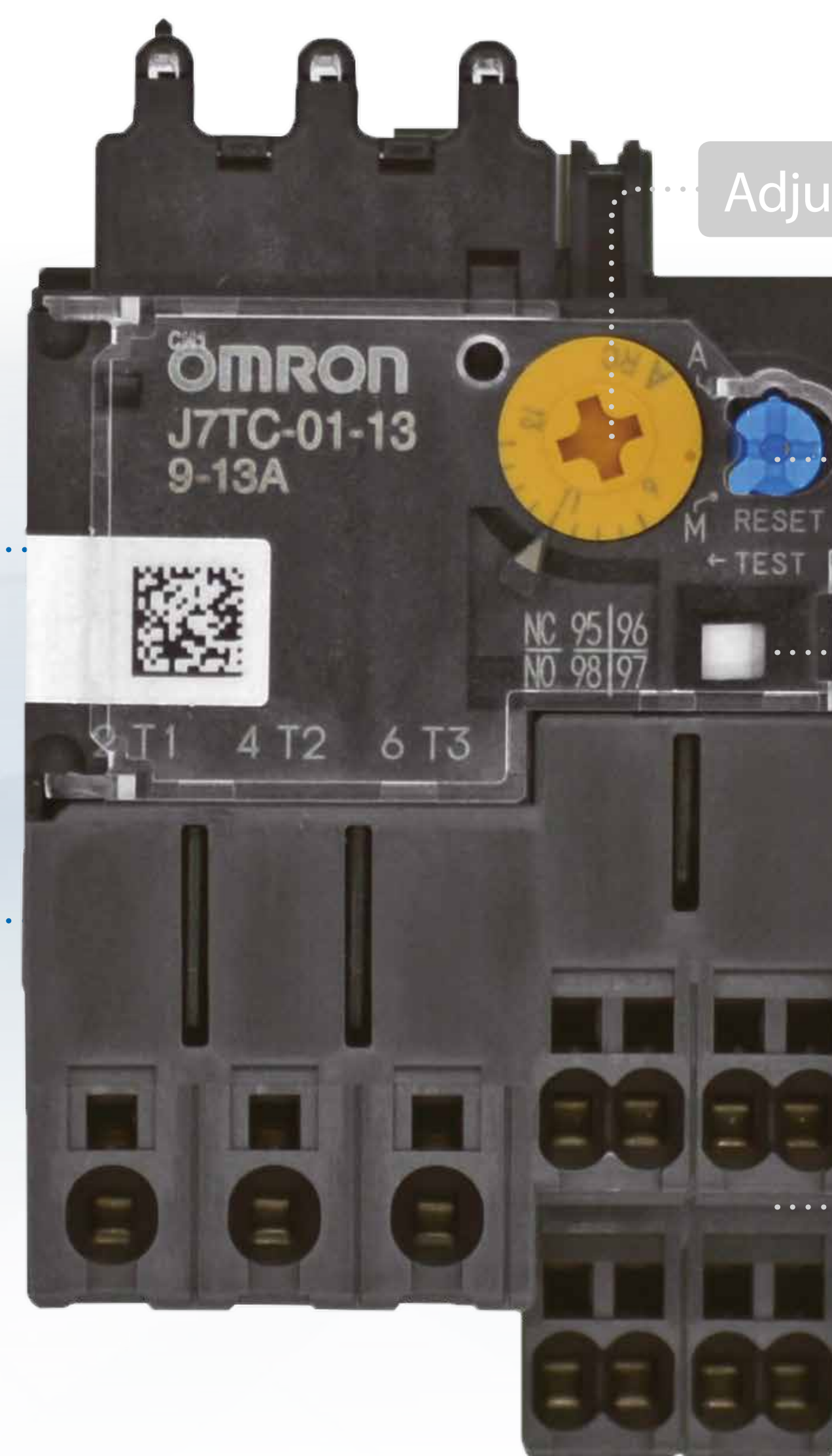
World's **Major Safety Standards**



# J7TC: Push-in Plus Thermal Relay

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

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



Adjust dial

Reset

Trip Indicator

Auxiliary Terminal (1a1b )

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

World's **Major Safety Standards**





# Strengths and opportunitites

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)

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

MMS Contactor



Contactor Thermal Relay

Breaker



Reversing Contactor Thermal Relay

Breaker



Product	Compliant Standards			Certified Standards			EC Directives	Certifying Body
	IEC	EN	JIS	UL	CSA	GB	CE Marking	TÜV
	International	Europe	Japan	USA	Canada	China	Europe	Germany
Magnetic Contactors	IEC	EN	JIS	UL LISTED		CCC	CE	TÜV
	■	■	■	■	■	■	■	■
	■	■	■	■	■	■	■	■
Thermal Overload Relays	■	■	■	■	■	■	■	■

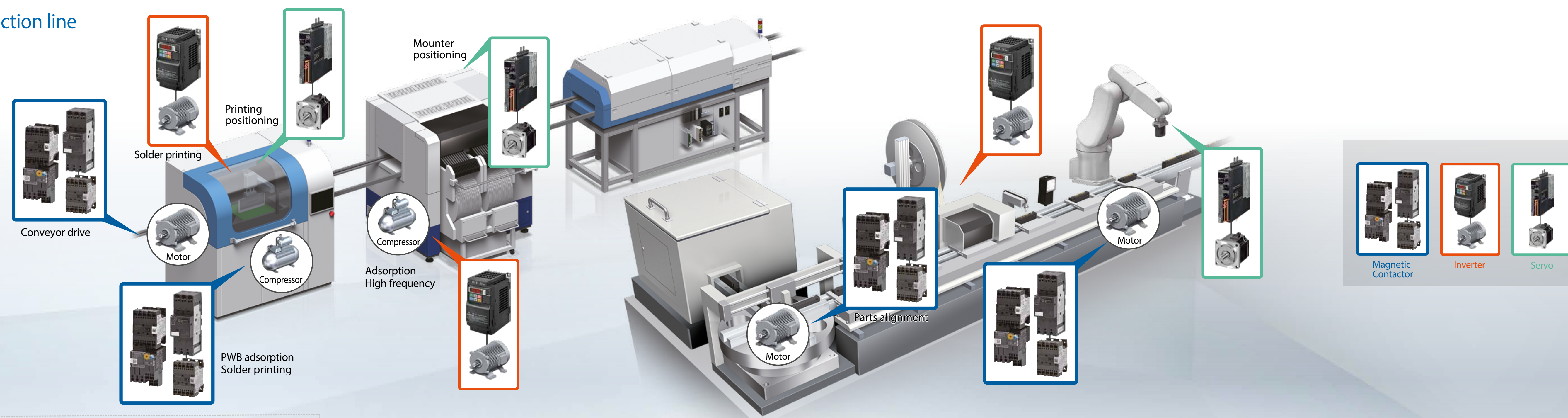
Note: Legend ■ = Compliance with standard models.



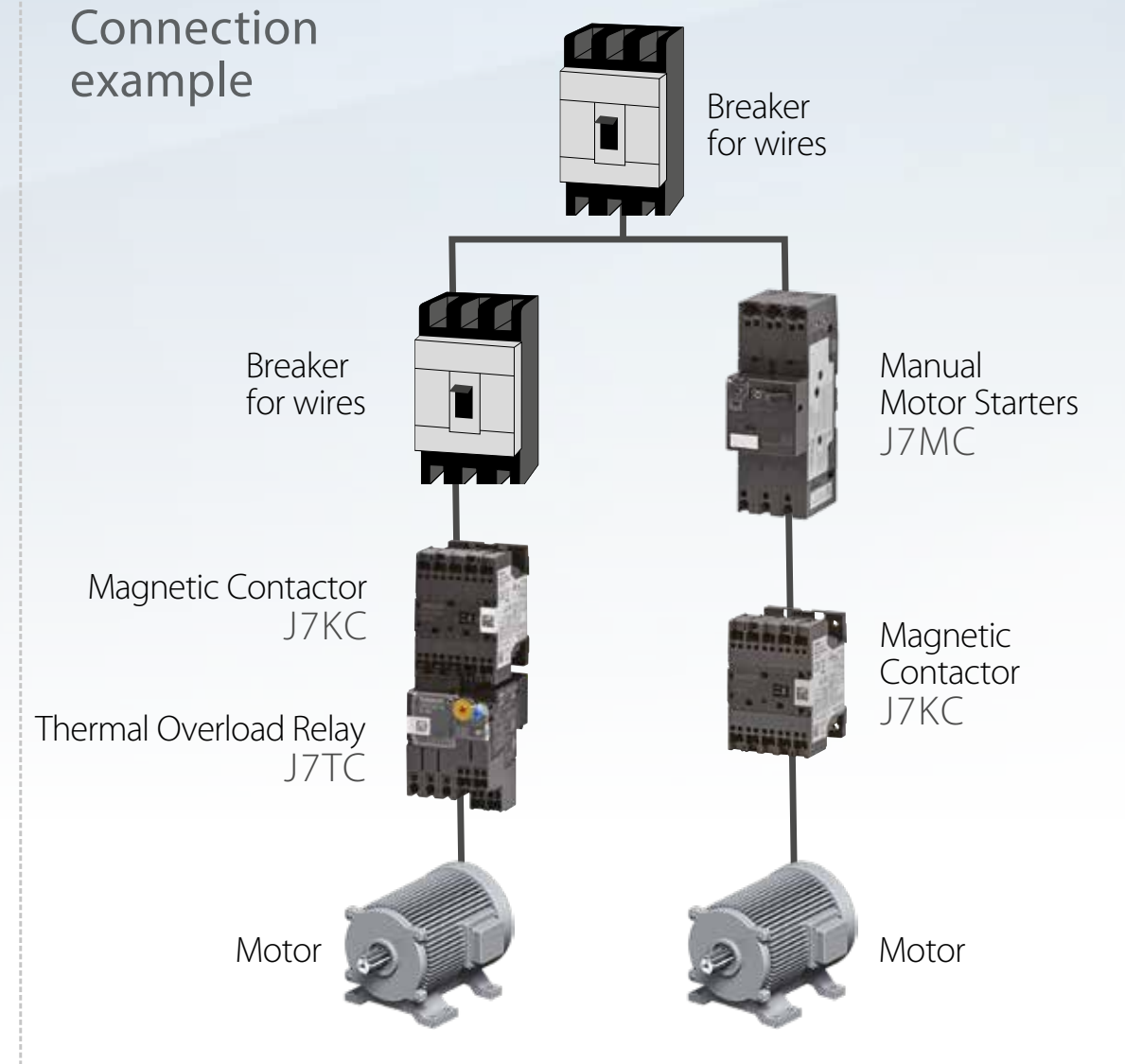
# Application examples

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

PCB assembly production line



Connection example



Packaging machine



Machining center





# Strengths and opportunitites

## 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., up to 5.5kW * 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)