



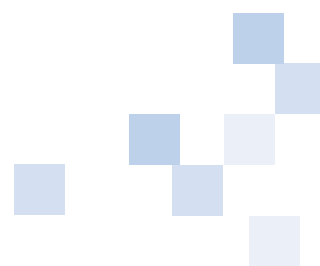
Class 0.2s according to IEC 60044-1

Particularly suitable for electronic meters

ERDF-qualified bi-rating and tri-rating models



Single-phase current measurement transformers for LV metering



Busbar Primary

Tri-rating JVP 1145 S



Terminal cover
(transparent and sealable)

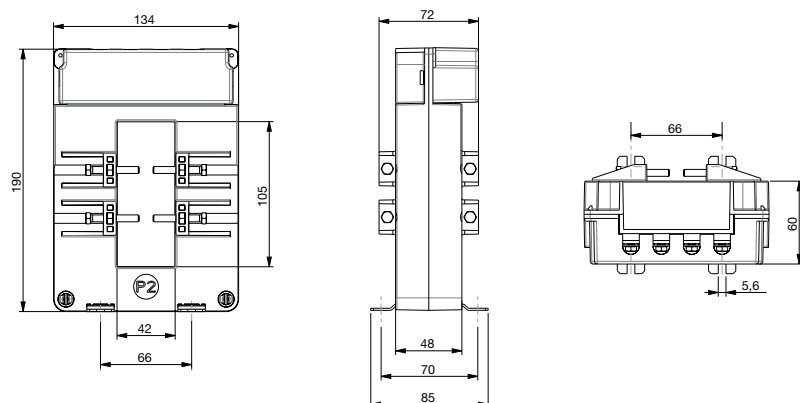
On busbars
(stainless-steel screws)

On frame
(screw-on removable tabs)

■ Specifications

Cable primary	Busbar: 63 x 12 mm or 100 x 12 mm - Cable: Ø 40 mm
Transformation ratio	500 - 1000 - 2000 / 5 A
Accuracy class	0.2s
Rated output	7.5 VA
Highest network voltage	720 Vac
Rated frequency	50 / 60 Hz
Rated thermal short-circuit current (I _{th})	30 kA during 1 s
Rated dynamic current (I _{dyn})	2.5 I _{th}
Security factor	FS = 3 (500/5 A) - FS = 5 (1000/5 A) - FS = 7 (2000/5 A)
Rated thermal current	1.2 I _{pn}
Operating temperature	-25 °C to +40 °C
Type of enclosure	Self-extinguishing thermoplastic (UL94V0)
Ingress protection	IP30
Mechanical shock resistance	IK7
Rated withstand voltage	3 kV (rms value) at 50 Hz during 1 minute
Rated lightning withstand voltage	8 kV (peak value) - Wave 1.2 / 50 µs
Insulation class	E (heating limit: 75 K)
Weight	1.7 kg

■ Dimensions

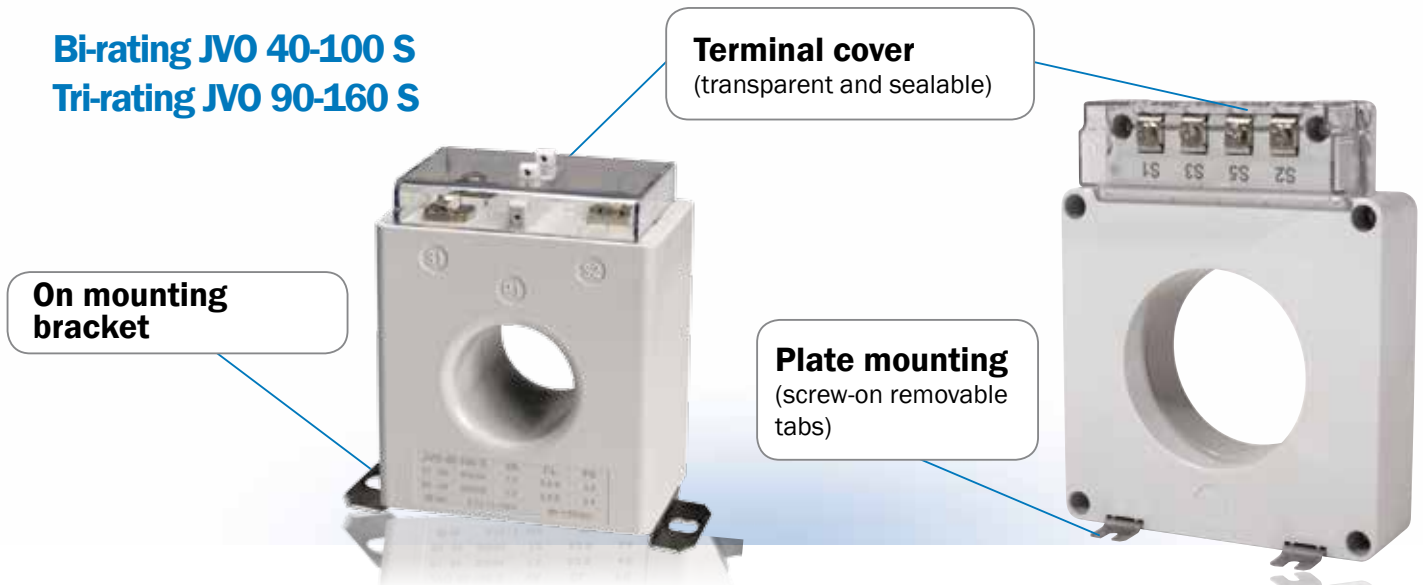


■ To order

Model	Reference
Tri-rating JVP 1145 S	P01379510

Cable primary - Ø 40 and 90 mm

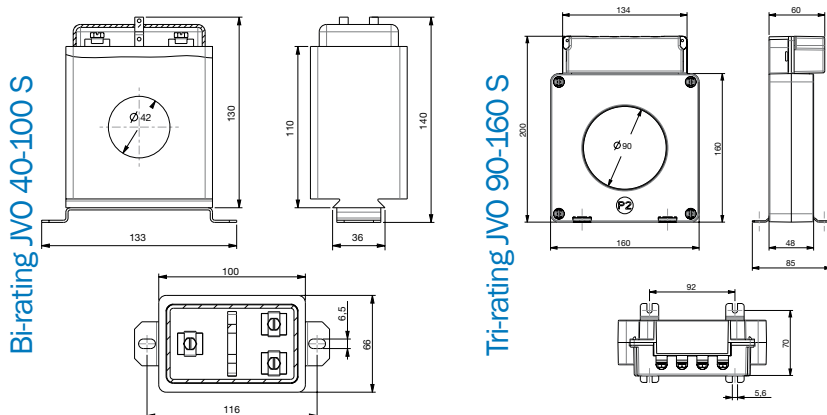
Bi-rating JVO 40-100 S
Tri-rating JVO 90-160 S



■ Specifications

	Bi-rating JVO 40-100 S	Tri-rating JVO 90-160 S
Cable primary	Ø 40 mm	Ø 90 mm
Transformation ratio	200 - 500 / 5 A	500 - 1000 - 2000 / 5 A
Accuracy class		0.2s
Rated output		7.5 VA
Highest network voltage		720 Vac
Rated frequency		50 / 60 Hz
Rated thermal short-circuit current (I _{th})	20 kA during 1 s	30 kA during 1 s
Rated dynamic current (I _{dyn})		2.5 I _{th}
Security factor	FS = 3 (200/5 A) - FS = 6 (500/5 A)	FS = 4 (500/5 A) - FS = 6 (1000/5 A) FS = 9 (2000/5 A)
Rated thermal current		1.2 I _{pn}
Operating temperature		-25 °C to +40 °C
Type of enclosure		Self-extinguishing thermoplastic (UL94V0)
Ingress protection		IP30
Mechanical shock resistance		IK7
Rated withstand voltage		3 kV (rms value) at 50 Hz during 1 minute
Rated lightning withstand voltage		8 kV (peak value) - Wave 1.2 / 50 µs
Insulation class		E (heating limit: 75 K)
Weight	1.1 kg	1.9 kg

■ Dimensions



■ To order

Modèle	Référence
Bi-rating JVO 40-100 S	P01379512
Tri-rating JVO 90-160 S	P01379513

Cable primary \varnothing 16 to 240 mm²

Bi-rating TRI 700 S

Primary cover
(independent, sealable)

Secondary cover
(transparent, independent and sealable)

Short-circuit switch and integrated fuses block

Removable input reducer
amovible

Copper or aluminium conductor*
without lugs, any cable shape

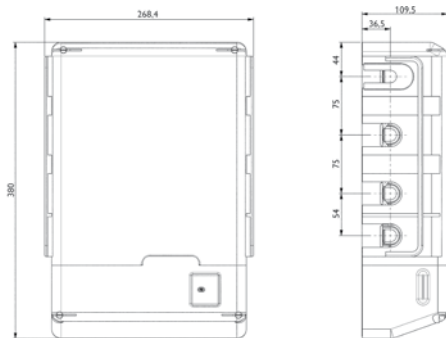


■ Specifications

Cable primary	\varnothing 16 to 240 mm ²
Transformation ratio	50 - 100 / 5 A; 100 - 200 / 5 A; 200 - 500 / 5 A
Accuracy class	0.2s
Rated output	7.5 VA
Highest network voltage	720 Vac
Rated frequency	50 / 60 Hz
Rated thermal short-circuit current (Ith)	20 kA during 1 s
Rated dynamic current (Idyn)	2.5 Ith
Security factor	50 - 100 / 5 A : FS = 2 (50 A) - FS = 4 (100 A) 100 - 200 / 5 A : FS = 2 (100 A) - FS = 4 (200 A) 200 - 500 / 5 A : FS = 3 (200 A) - FS = 5 (500 A)
Rated thermal current	1.2 Ipn
Operating temperature	-25 °C to +40 °C
Type of enclosure	Self-extinguishing thermoplastic (UL94V0)
Ingress protection	IP20 (IP40 with auxiliary covers)
Mechanical shock resistance	IK7
Rated withstand voltage	3 kV (rms value) at 50 Hz during 1 minute
Rated lightning withstand voltage	8 kV (peak value) - Wave 1.2 / 50 μ s
Insulation class	E (heating limit: 75 K)
Weight	9 kg

*For cables < 50 mm², sleeves must be used.

■ Dimensions



■ To order

Model	Reference
Bi-rating TRI 700 S 50 - 100 / 5 A	P01379515
Bi-rating TRI 700 S 100 - 200 / 5 A	P01379516
Bi-rating TRI 700 S 200 - 500 / 5 A	P01379517

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