



LINHA PRZ

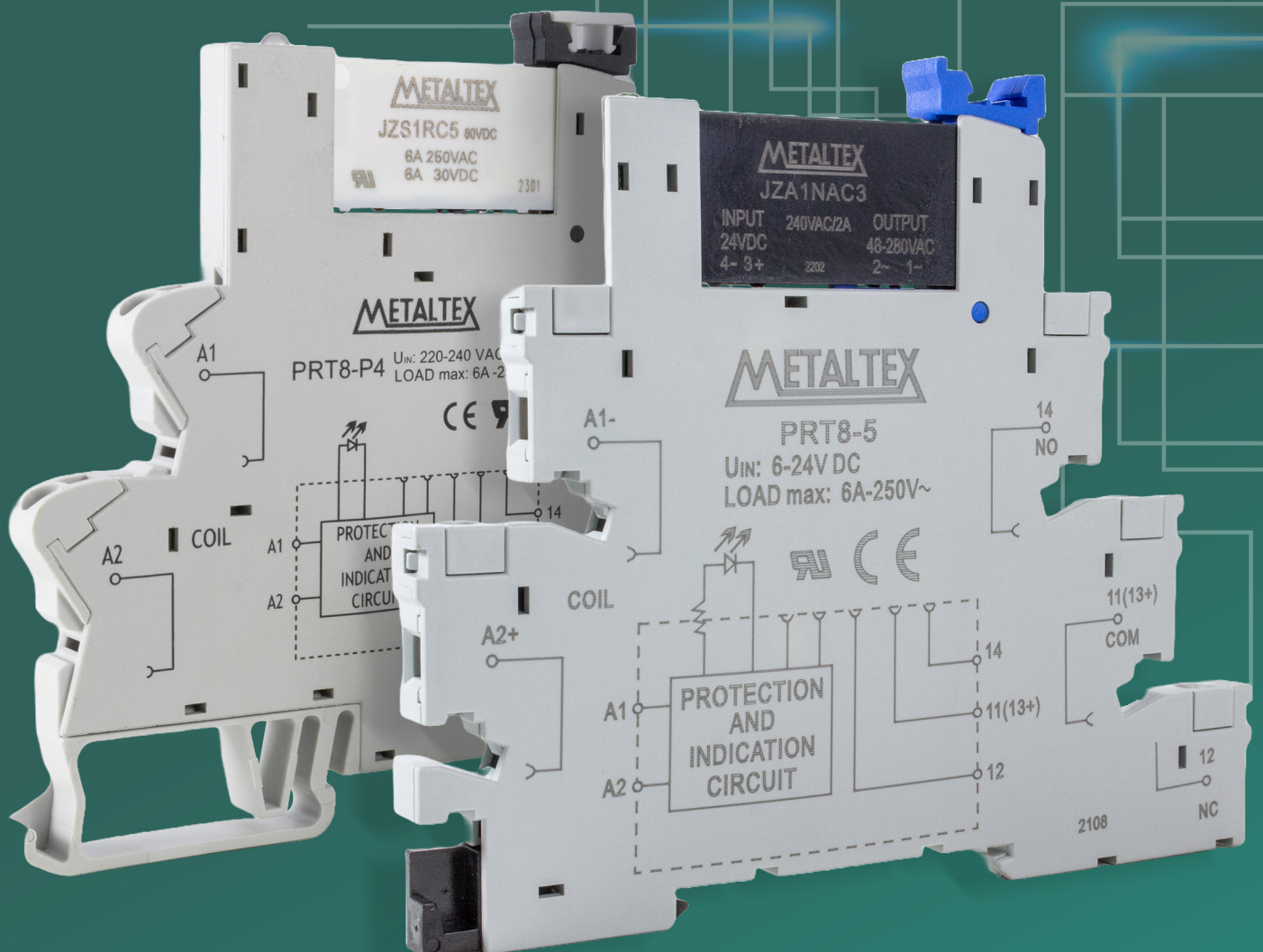
PRZ SERIES

MÓDULO INTERFACE A RELÉ

RELAY INTERFACE MODULE

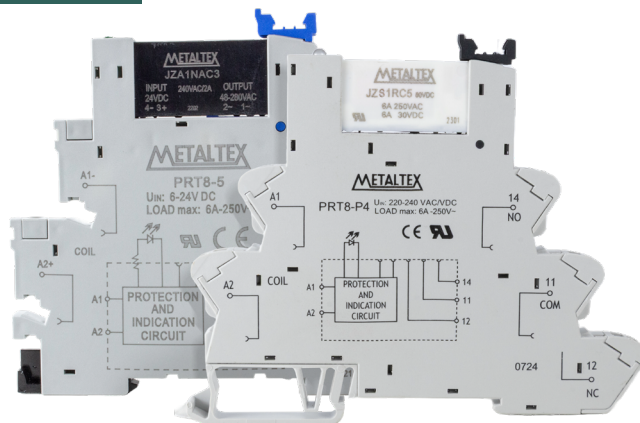
ESPECIFICAÇÕES TÉCNICAS

TECHNICAL SPECIFICATIONS



PRINCIPAIS CARACTERÍSTICAS / MAIN CHARACTERISTICS

- Base com terminais parafuso ou push-in;
Socket with screw or push-in terminals;
- Disponível com relé eletromecânico ou de estado sólido;
Available with electromechanical or solid state relay;
- Compacto (largura de apenas 6,2 mm);
Slim body (only 6.2 mm wide);
- Indicador visual de acionamento;
LED visual indicator;
- Montagem em trilho DIN 35 mm;
DIN rail mount, 35 mm type;
- Acessórios: pente de jumpers e placas de identificação;
Accessories available: jumper link and strip of marker tags;



APLICAÇÕES / APPLICATIONS

Interface a relé (Acopladores a relé) / Relay interface
Interface CLP a relé / PLC relay interface



CÓDIGO DE COMPRA / HOW TO ORDER

PARA RELÉ ELETROMECHANICO

FOR ELECTROMECHANICAL RELAY

PRZ P - 1R - 12 /G

Modelo / Model	
Em branco Nil	Terminal com parafuso Screw terminal
P	Conexão push-in Push-in connection

Material do contato Contact material	
Em branco Nil	AgSnO ₂
/G	AgNi + Au

Tensão nominal / Nominal voltage	
12	12 VCC/VCA / VDC/VAC
24	24 VCC/VCA / VDC/VAC
48	48 VCC/VCA / VDC/VAC
110	110... 125 VCC / VDC 110... 127 VCA / VAC
220	220 VCC/VCA / VDC/VAC
D12	12 VCC / VDC
D24	24 VCC / VDC

PARA RELÉ DE ESTADO SÓLIDO

FOR SOLID STATE RELAY

PRZ P - 1D - D24

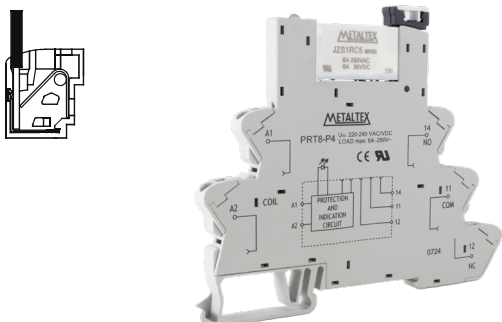
Modelo / Model	
Em branco Nil	Terminal com parafuso Screw terminal
P	Conexão push-in Push-in connection

Tensão nominal de comando Nominal input voltage	
D12	12 VCC / VDC
D24	24 VCC / VDC

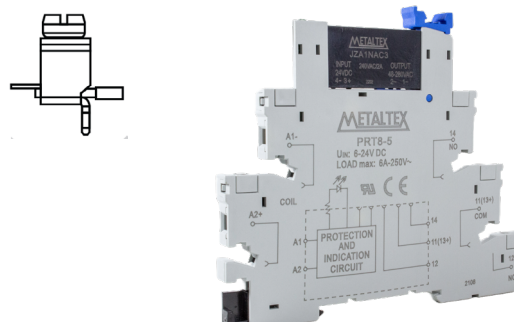
Saída / Output	
1A	1 NA - Estado sólido CA NO - AC Solid state
1D	1 NA - Estado sólido CC NO - DC Solid state

MODELOS / MODELS

PRZP - Terminal push-in / Push-in terminal



PRZ - Terminal parafuso / Screw terminal



ESPECIFICAÇÕES GERAIS / GENERAL SPECIFICATIONS

Condições de operação e armazenagem <i>Conditions for operation and storage</i>	Temperatura ambiente / <i>Ambient temperature</i>	-40 ~ 85 °C
	Umidade / <i>Humidity</i>	5 ~ 85% U.R. / 5 ~ 85% R.H.
Grau de proteção / <i>Protection degree</i> (IEC 60529)		IP20
Material do soquete / <i>Socket material</i>		PA66+GF (Fibra de vidro / <i>Glass fiber</i>)
Classe de flamabilidade / <i>Flammability class</i> (UL 94)		V-0
Parafusos - somente para PRZ <i>Screws - only for PRZ</i>	Tipo / <i>Type</i>	M3
	Torque de aperto / <i>Tightening torque</i>	0,6 Nm
Comprimento de decapagem do cabo / <i>Wire strip length</i>		7 mm / 0.27in
Bitola de cabos / <i>Wire cross section</i>		0,14 ~ 2,5 mm ² AWG26-14 (sólido ou flexível / <i>rigid or flexible</i>)
Montagem / <i>Mounting</i>		Trilho DIN 35 mm / <i>DIN rail 35 mm</i>
Peso unitário / <i>Unit weight</i>		26 g
RoHS compatível / <i>Compliant</i>		Sim / <i>Yes</i>

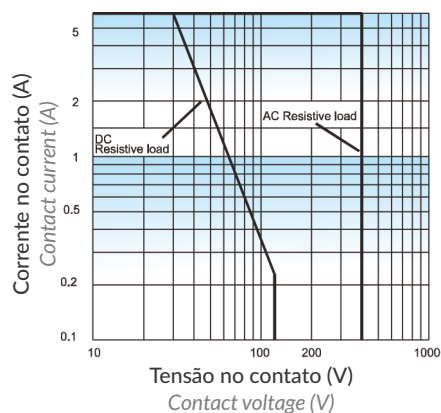
ESPECIFICAÇÕES DE CONTATO / CONTACT SPECIFICATIONS

Tipo / <i>Type</i>	Relé eletromecânico / <i>Electromechanical relay</i>		Relé de estado sólido CA <i>Solid state relay AC</i>	Relé de estado sólido CC <i>Solid state relay DC</i>
Arranjo / <i>Arrangement</i>	1 reversível / 1 form C (SPDT)		1 NA / NO	1 NA / NO
Tipo de saída <i>Output type</i>	Contato AgSnO ₂ <i>AgSnO₂ contact</i>	Contato AgNi dourado <i>AgNi gold plated contact</i>	TRIAC	PHOTO MOS
Resistência inicial do contato <i>Initial contact resistance</i> (1 A@6 VCC / VDC)	100mΩ (max.)	30mΩ (max.)	-	-
Corrente nominal de chaveamento <i>Nominal switching current</i>	6 A@250 VCA / VAC 6 A@30 VCC / VDC		2 A - 280 VCA / VAC	4 A - 28 VCC / VDC
Carga mínima / <i>Minimum load</i>	500mW - 12 V / 10 mA	50mW - 5 V / 10 mA	100 mA	20 mA
Potência máxima de chaveamento <i>Maximum switching power</i>	1500 VA - 180 W		-	-
Tensão máxima de chaveamento <i>Maximum switching voltage</i>	400 VCA / VAC- 125 VCC / VDC		280 VCA / VAC	28 VCC / VDC
Vida mecânica / <i>Mechanical life</i> (150cpm)	10x10 ⁶ ciclos / <i>cycles</i>		Não se aplica / <i>Not applicable</i>	
Vida elétrica sob carga nominal (1s ON - 9s OFF; carga resistiva) <i>Electrical life under rated load</i> (1s ON - 9s OFF; resistive load)	NA / NO 3x10 ⁴ Operações / <i>Operations</i> NF / NC 1x10 ⁴ Operações / <i>Operations</i>		-	-

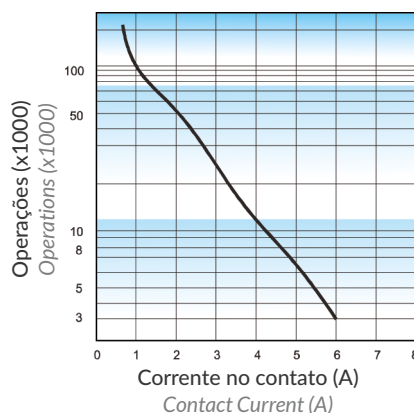
CURVAS CARACTERÍSTICAS RELÉ ELETROMECHANICO (JZ)

ELECTROMECHANICAL RELAY CHARACTERISTIC CURVES (JZ)

Potência máxima de comutação
Maximum switching power

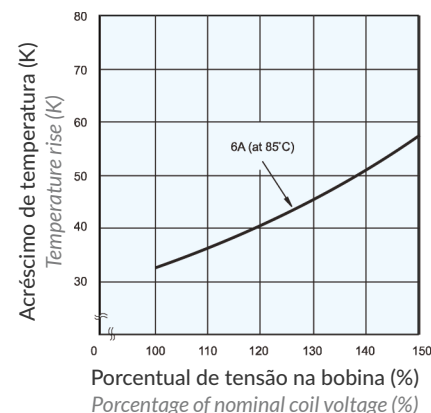


Curva de durabilidade
Endurance curve



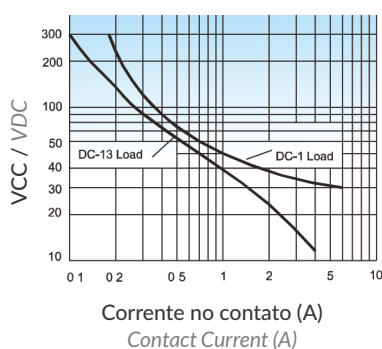
Condições de teste / Test conditions:
Carga resistiva, 250 VCA
Temperatura ambiente de 23 °C, 1s ON / 9s OFF
Resistive Load, 250 VAC, room temperature 23 °C,
1s ON / 9s OFF

Incremento da temperatura na bobina
Temperature increase in the coil



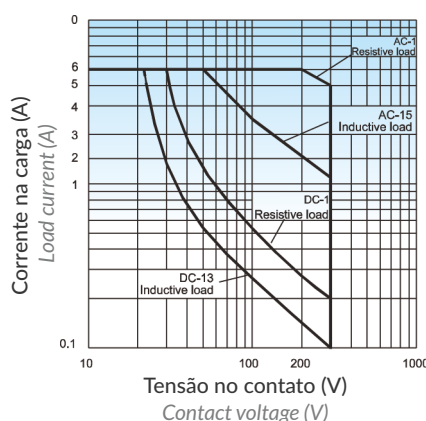
Condições de teste / Test conditions:
6A @ 85 °C

Curva de capacidade de comutação de carga / Load switching capacity curve



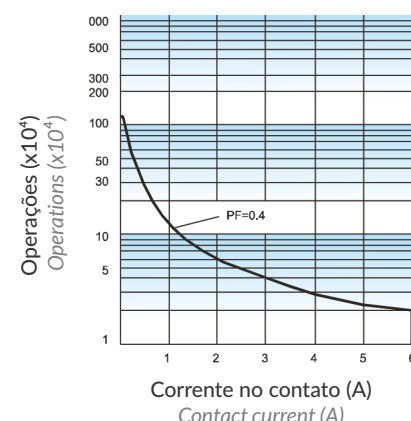
Condições de teste / Test conditions:
NA, temperatura ambiente de 23 °C
NO side, room temperature 23 °C

Curva de capacidade de interrupção
Breaking capacity curve



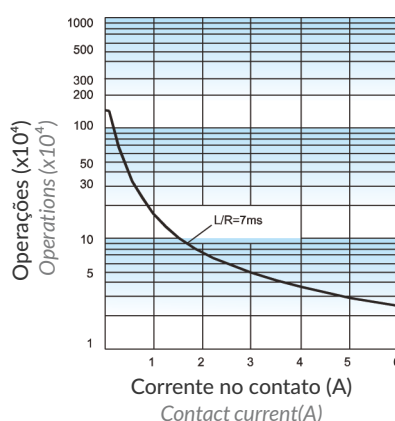
Condições de teste / Test conditions:
Temperatura ambiente de 23 °C,
1s ON / 9s OFF / Room temperature 23 °C, 1s
ON / 9s OFF

Curva de durabilidade para carga indutiva
CA / AC inductive load endurance curve



Condições de teste / Test conditions:
NA, temperatura de 23 °C, 250 VCA
NO side, room temperature 23 °C, 250 VAC

Curva de durabilidade para carga indutiva CC
DC inductive load endurance curve

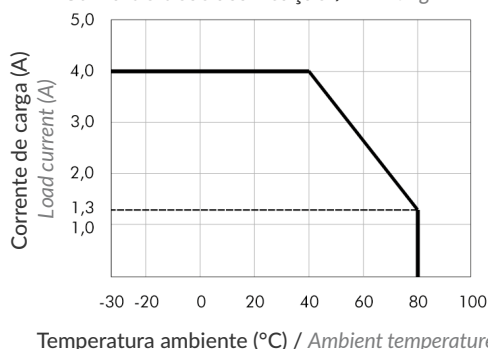


Condições de teste / Test conditions:
NA, temperatura de 23 °C, 24 VCC / NO side, room temperature 23 °C, 24 VDC

CURVAS CARACTERÍSTICAS RELÉ ESTADO SÓLIDO CC (JZC)

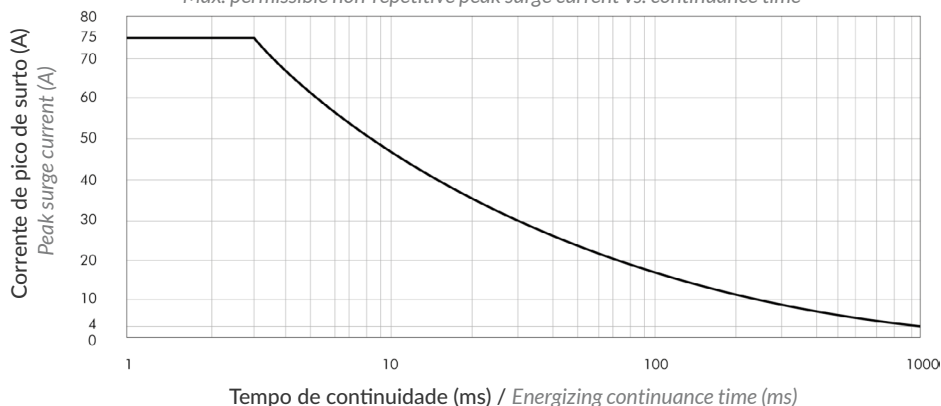
CURVES CHARACTERISTICS SOLID STATE RELAY DC (JZC)

Curva de desclassificação / Derating curve



Corrente de pico de surto não repetitiva máxima permitida vs. tempo de continuidade

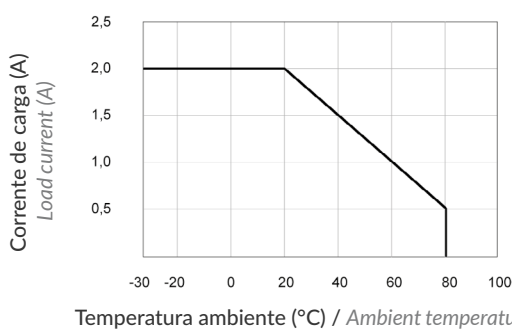
Max. permissible non-repetitive peak surge current vs. continuance time



CURVAS CARACTERÍSTICAS RELÉ ESTADO SÓLIDO CA (JZA)

CURVES CHARACTERISTICS SOLID STATE RELAY AC (JZA)

Curva de desclassificação / Derating curve



Corrente de pico de surto não repetitiva máxima permitida vs. tempo de continuidade

Max. permissible non-repetitive peak surge current vs. continuance time

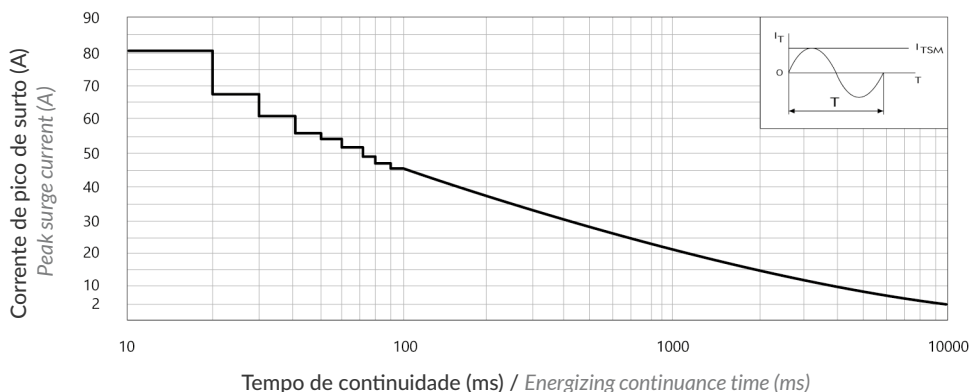
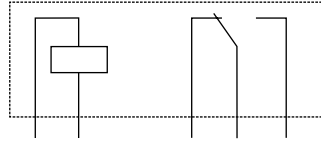
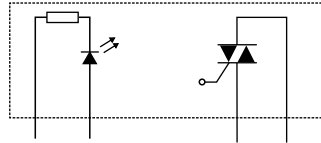


DIAGRAMA / WIRING DIAGRAM

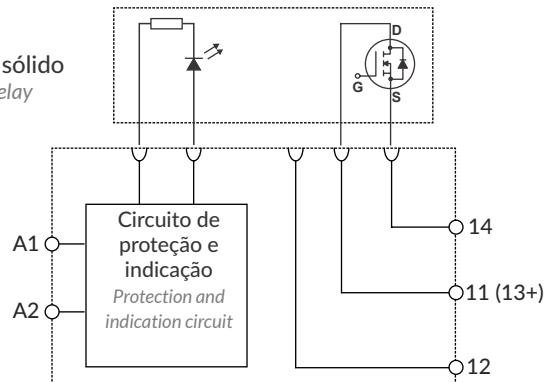
Relé JZ eletromecânico
JZ electromechanical relay



Relé JZA estado sólido
JZA solid state relay

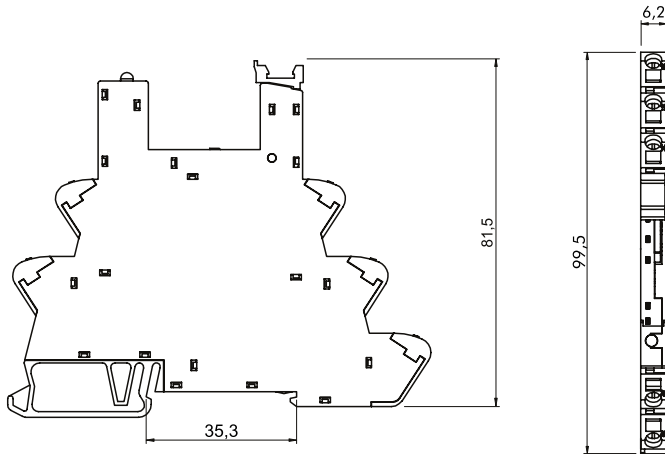


Relé JZC estado sólido
JZC solid state relay

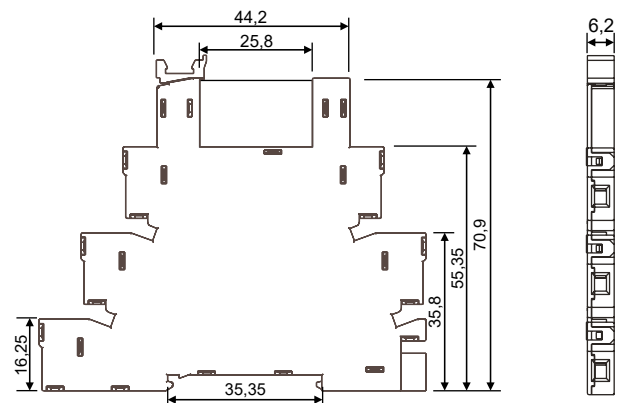


DIMENSÕES / DIMENSIONS (mm)

PRZP - Terminal push-in / Push-in terminal

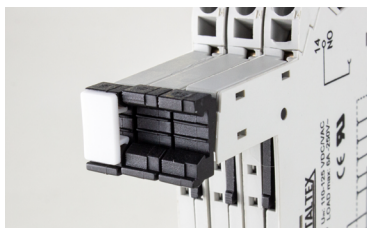


PRZ - Terminal parafuso / Screw terminal



ACESSÓRIOS / ACCESSORIES

Placa de identificação / Snap-in marker
PRT8-LB

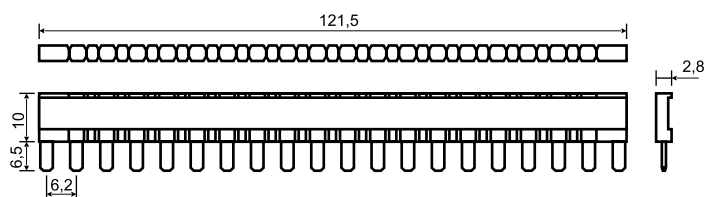
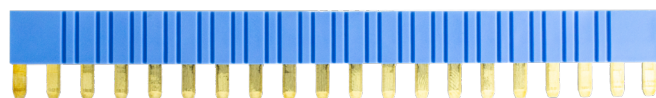
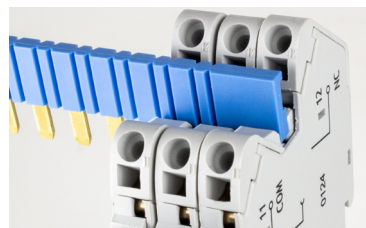


Cor / Color: Branco / White

Material / Material: Plástico / Plastic

Apresentação / Presentation: 16 unidades / Units

Pente de jumpers com 20 vias / 20 ways jumper
PRT8-JP



Cor / Color: Azul / Blue

Ith = 36 A

U = 250 V