METALTEX

LINHA **DCM**

SERIE DCM

DISJUNTOR DE CAIXA MOLDADA

MOLDED CASE CIRCUIT BREAKERS (MCCB)

ESPECIFICAÇÕES TÉCNICAS

TECHNICAL SPECIFICATIONS

PRINCIPAIS CARACTERÍSTICAS / *MAIN CHARACTERISTICS*

- Disjuntor em caixa moldada com capacidade de interrupção de até 100 kA;
  Molded case circuit breaker with breaking capacity up to 100 kA;
- Botão de disparo (Trip);
  Trigger button (Trip);
- Indicador de estado (ON/OFF);
  Status indicator (ON/OFF);
- Barreira entre polos inclusa;
  Pole-to-pole barrier included;
- Modelos com ajuste de disparo magnético fixo ou ajustável;
  Models with fixed or adjustable magnetic trigger adjustment;
- De acordo com IEC60947-2;
  According to IEC60947-2;

CE

CÓDIGO DE COMPRA / *HOW TO ORDER*

DCM-100S3-100A

MODELOS* / *TYPE** — CORRENTE NOMINAL* / *RATE CURRENT**

*Veja na tabela código e modelos / **See the code and models table*

MODELOS / *MODELS*


DCM50S


DCM100S


DCM250S


DCM400S


DCM630S


DCM800S

DCM1250S

DCM1600S

CÓDIGOS / *CODES*

DCM50S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM50S3-10A	10 A
	DCM50S3-16A	16 A
	DCM50S3-20A	20 A
	DCM50S3-25A	25 A
	DCM50S3-32A	32 A
	DCM50S3-40A	40 A
	DCM50S3-50A	50 A

DCM100S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM100S3-63A	63 A
	DCM100S3-40A	40 A
	DCM100S3-80A	80 A
	DCM100S3-90A	90 A
	DCM100S3-100A	100 A

DCM250S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM250S3-125A	125 A
	DCM250S3-150A	150 A
	DCM250S3-175A	175 A
	DCM250S3-200A	200 A
	DCM250S3-225A	225 A
	DCM250S3-250A	250 A

DCM400S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM400S3-300A	300 A
	DCM400S3-350A	350 A
	DCM400S3-400A	400 A

DCM630S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM630S3-500A	500 A
	DCM630S3-600A	600 A

DCM800S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM800S3-700A	700 A
	DCM800S3-800A	800 A

DCM1250S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM1250S3-1000A	1000 A
	DCM1250S3-1250A	1250 A

DCM1600S	Modelo / *Model*	Corrente Nominal *Rate Current*
	DCM1600S3-1600A	1600 A

ESPECIFICAÇÕES GERAIS / *GENERAL SPECIFICATIONS*

Modelo / *Type*		50S	100S	250S	400S	630S	800S	1250S	1600S
Corrente nominal In (A) à temperatura ambiente 40°C *Rated current (A) at ambient temperature 40°C*		10, 16, 20, 25, 32, 40, 50	63, 70, 80, 90, 100	125, 150, 175, 200, 225, 250	300, 350, 400	500, 600	700, 800	1000, 1250	1600
Icu/Ics Capacidade de interrupção (kA) *Breaking capacity (kA)*	AC 230V	25 / 13	100 / 50	100 / 50	100 / 100	100 / 100	100 / 100	-	-
	AC 400V	10 / 5	50 / 35	50 / 35	70 / 70	70 / 70	70 / 70	80 / 40	80 / 40
	AC 690V	-	5 / 3	5 / 3	10 / 10	10 / 10	15 / 15	25 / 20	30 / 20
Faixa de ajuste do disparo magnético *Setting range of magnetic trip*		10 x In Fixo / *Fixed*				5-10 x In Ajustável *Adjustable*		10 x In Fixo / *Fixed*	
Dispositivo de disparo automático *Automatic tripping device*		Disparo térmico e magnético fixos *Thermal and fixed magnetic trips*				Disparo térmico fixo e magnético ajustável *Fixed thermal and adjustable magnetic trips*		Disparo térmico e magnético fixos *Thermal and fixed magnetic trips*	
Tensão nominal de isolação CNS/IEC (Ui) *Rated insulation voltage CNS/IEC (Ui)*		690 VCA / *VAC*						800 VCA / *VAC*	
Conexões / *Connections*		Parafuso / *Screw terminal*			Parafuso (barramento opcional) *Screw terminal (optional busbar)*			Barramento / *Busbar*	
Número de polos / *Number of poles*		3							
Tensão nominal (Un) *Rated voltage (Un)*		690 VCA / *VAC*							
Frequência / *Frequency*		50/60 Hz							
Categoria de utilização (Hz) *Usage category*		A							
Tensão admissível de impulso (Uimp) (kV) *Impulse permissible voltage (Uimp) (kV)*		8 kV							
Peso / *Weight* (Kg)		0,75	1,1	1,5	5,7	10,9	11,4	32	34

CURVA DE DISPARO / *TRIPPING CURVE*

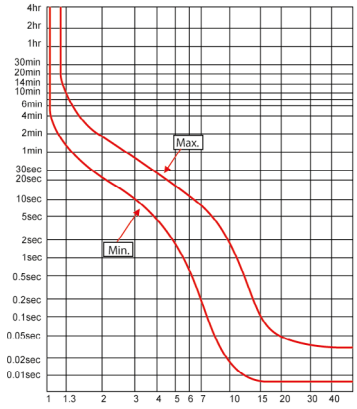
Corrente nominal In (A) *Rated current In(A)*	Disparo térmico (temperatura ambiente +40°C) *Thermal tripper (ambient temperature +40°C)*			Corrente de operação para disparo eletromagnético (A) *Operating current of electromagnetic tripper (A)*
	(1,05 x In) Tempo em repouso (h) (estado inicial: frio) (1.05 x In) *Non-o perating time (h) (starting state: cold)*	(1,03 x In) Tempo em operação (h) (estado inicial: quente) (1.3 x In) *Operating time (h) (starting state: hot)*	(7,2 x In) Tempo em operação (s) (estado inicial: frio) (7.2 x In) *Operating time (s) (starting state: cold)*	
≤ 63	> 1	≤ 1	2 < Tp ≤ 10	(10±2) In
63 < In ≤ 250	> 2	≤ 2	4 < Tp ≤ 10	
250 < In ≤ 400	> 2	≤ 2	6 < Tp ≤ 20	(5~10±2) In
500 < In ≤ 800	> 2	≤ 2	6 < Tp ≤ 20	
800 < In ≤ 1600	> 2	≤ 2	6 < Tp ≤ 20	(10±2) In

Tp - Tempo de disparo / *Tripper time*

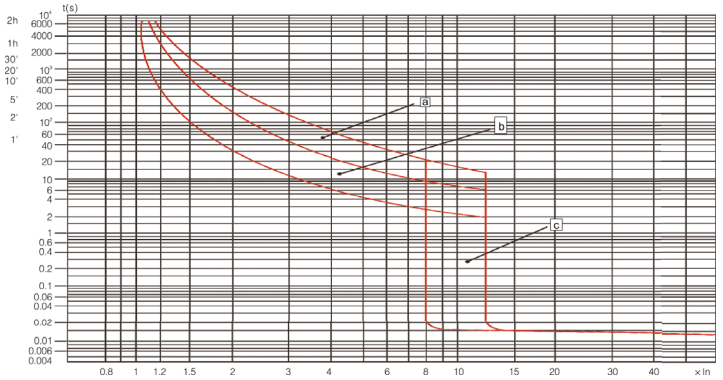
Curva caracteristica de proteção contra sobrecorrente / *Curva caracteristica de proteção contra sobrecorrente*

Recomendamos o formato digital para melhor visualização. / *We recommend digital format for better viewing.*

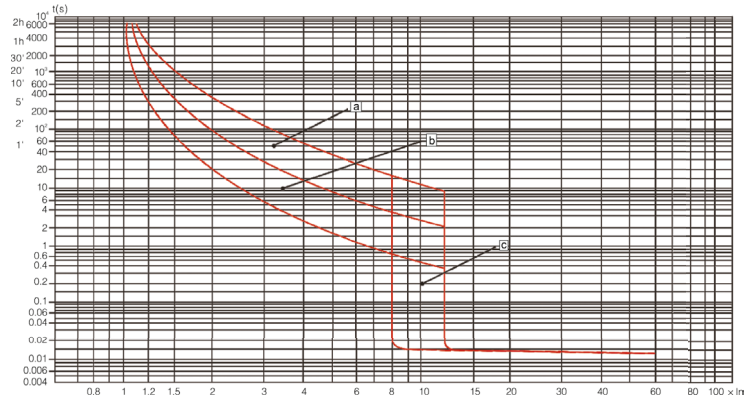
DCM50S



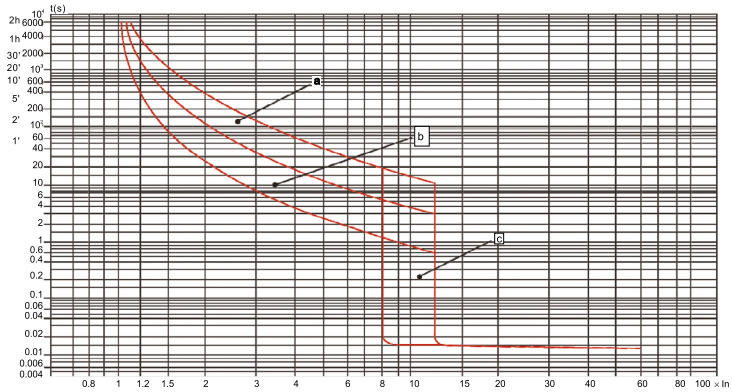
DCM100S



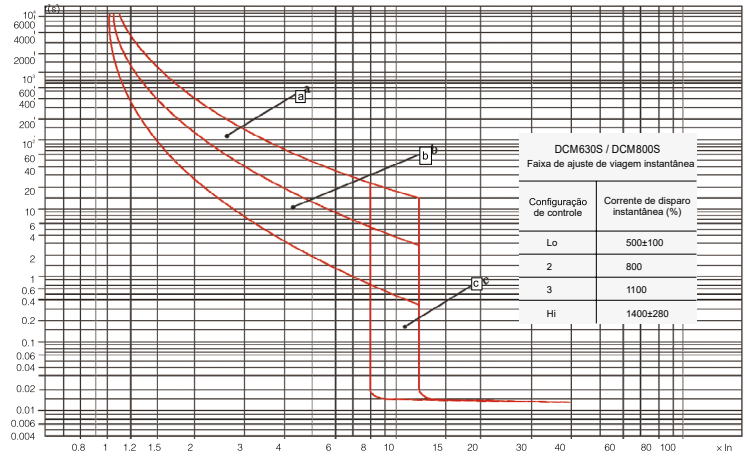
DCM250S



DCM400S



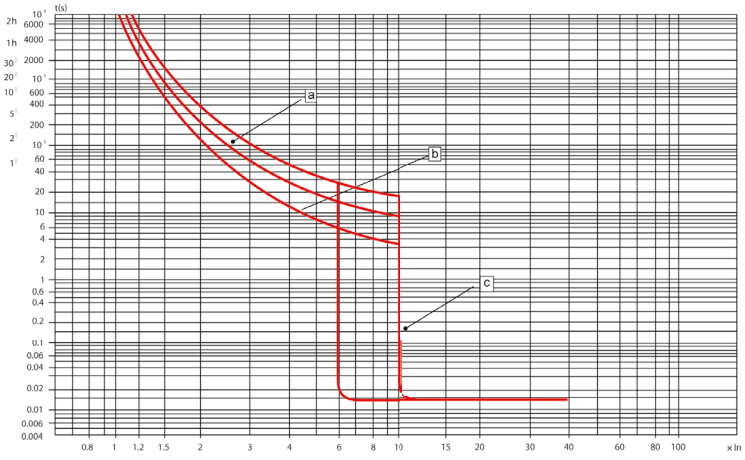
DCM630S / DCM800S



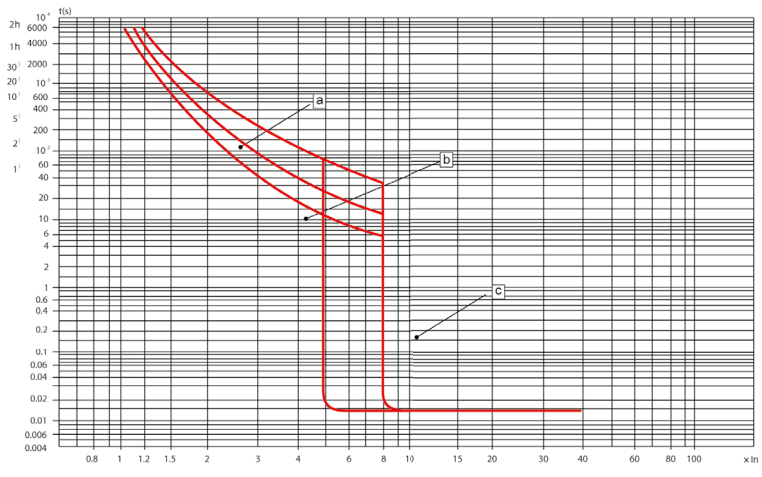
DCM630S / DCM800S
Faixa de ajuste de viagem instantânea

Configuração de controle	Corrente de disparo instantânea (%)
Lo	500±100
2	800
3	1100
Hi	1400±280

DCM1250S

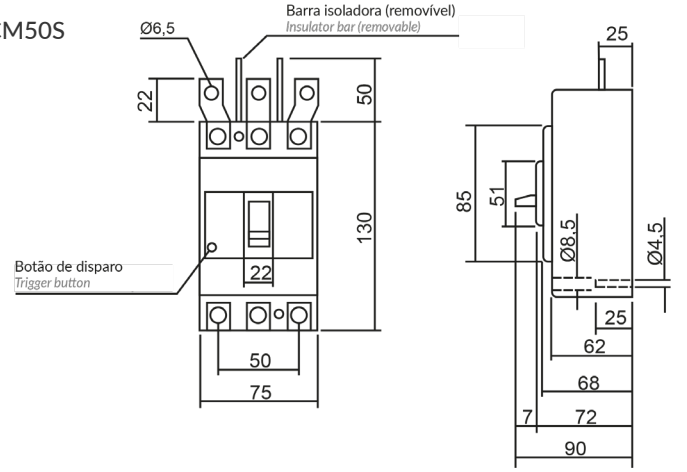


DCM1600S

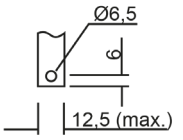


DIMENSÕES / *DIMENSIONS* (mm)

DCM50S

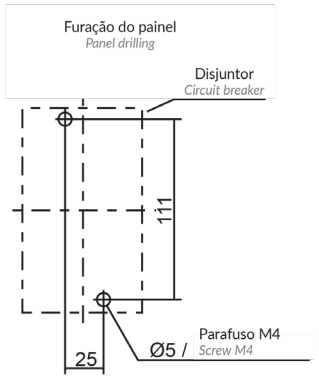


Dimensão para conexão por barramento
Dimension for busbar connection

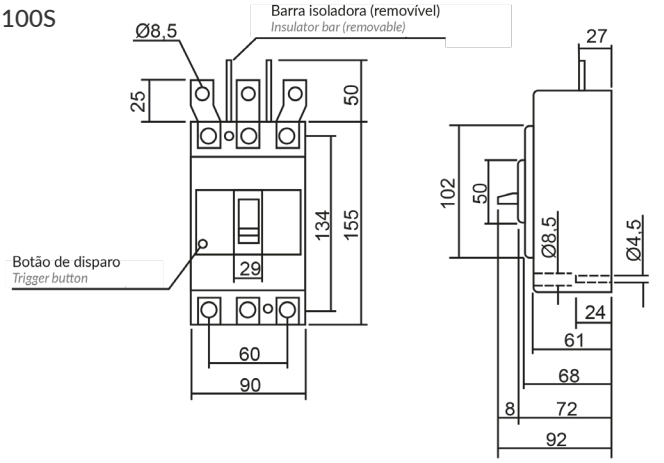


Espessura máxima do condutor
Maximum conductor thickness = 5mm

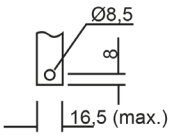
Cabo aplicável / *Applicable cable*:
2,5 ~ 25 mm²



DCM100S

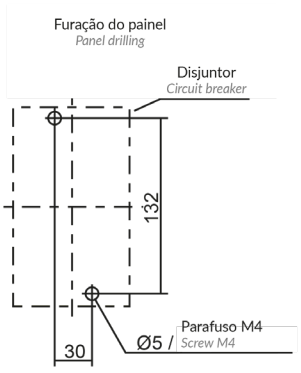


Dimensão para conexão por barramento
Dimension for busbar connection

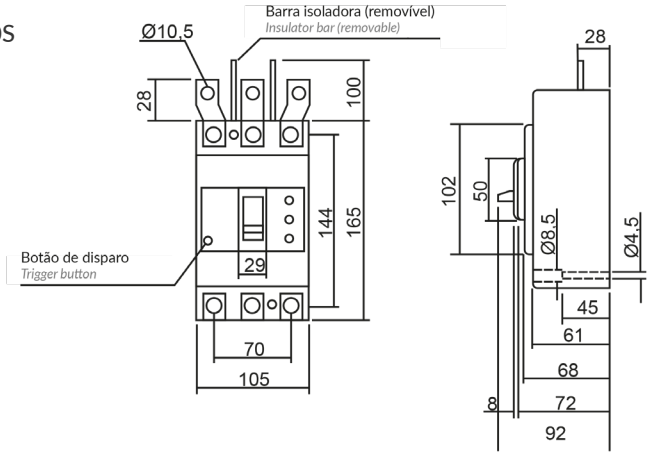


Espessura máxima do condutor
Maximum conductor thickness = 5mm

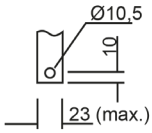
Cabo aplicável / *Applicable cable*:
In = 10 ~ 63A = 2,5 ~ 35 mm²
In = 75 ~ 100A = 25 ~ 50 mm²



DCM250S

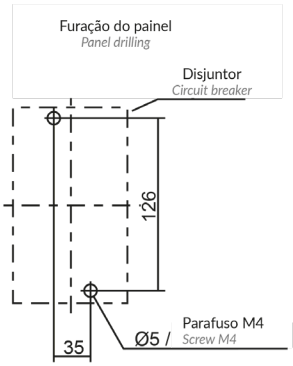


Dimensão para conexão por barramento
Dimension for busbar connection

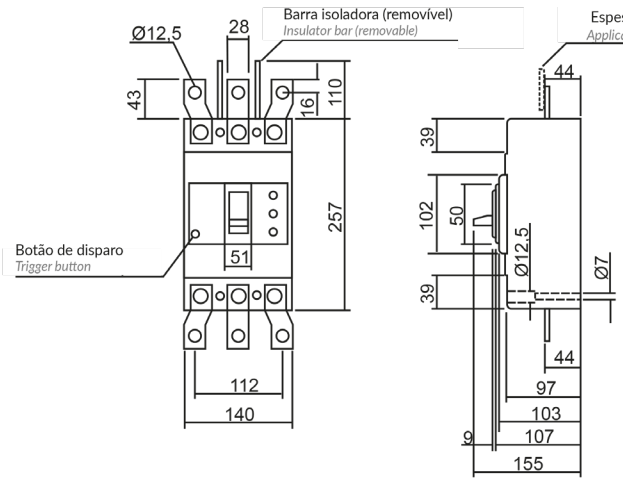


Espessura máxima do condutor
Maximum conductor thickness = 7mm

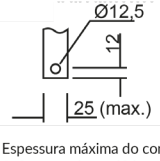
Cabo aplicável / *Applicable cable*:
In = 100 ~ 175A = 25 ~ 95 mm²
In = 200 ~ 250A = 70 ~ 120 mm²



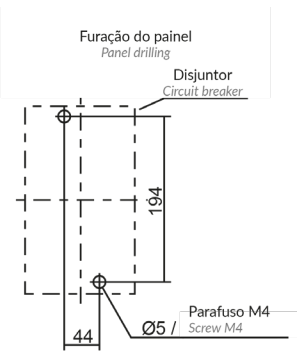
DCM400S



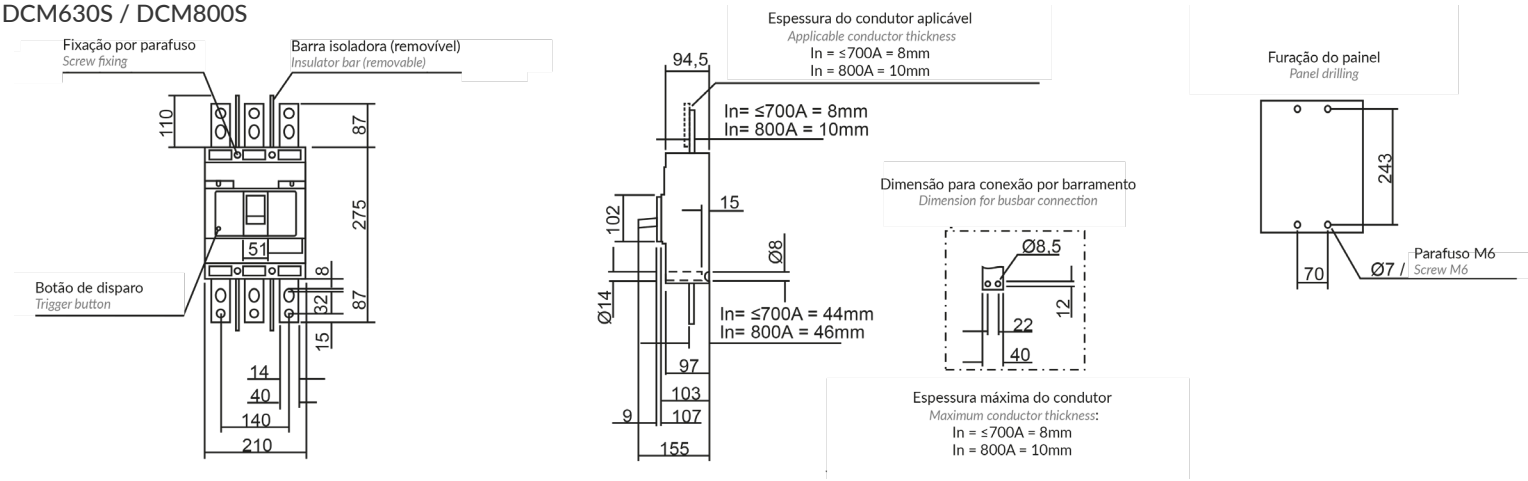
Dimensão para conexão por barramento
Dimension for busbar connection



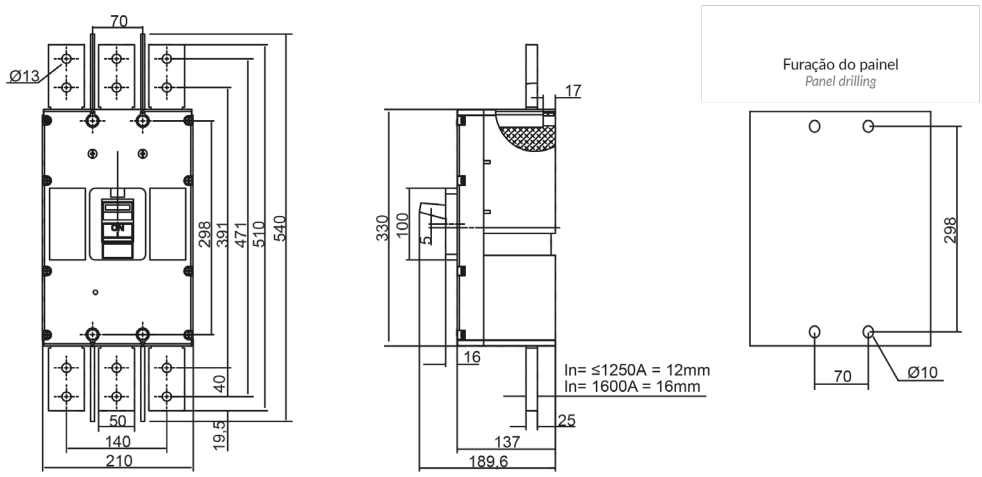
Espessura máxima do condutor
Maximum conductor thickness = 8mm



DCM630S / DCM800S



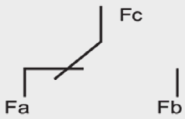
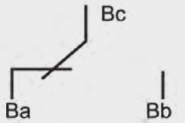
DCM1250S / DCM1600S



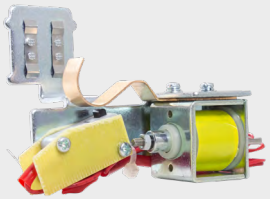
ACESSÓRIOS / *ACCESSORIES*

Acessórios internos / *Internal accessories*

Contato auxiliar de alarme / *Auxiliary alarm contact*				Contato auxiliar / *Auxiliary contact*			
							
DCM-AL100	DCM-AL250	DCM-AL400	DCM-AL630	DCM-AX100	DCM-AX250	DCM-AX400	DCM-AX630
Uso / *Use*: 100S	Uso / *Use*: 250S	Uso / *Use*: 400S	Uso / *Use*: 630S/800S	Uso / *Use*: 100S	Uso / *Use*: 250S	Uso / *Use*: 400S	Uso / *Use*: 630S/800S
Arranjo de contatos / *Contact arrangement*: 1 Reversível / *SPDT*				Arranjo de contatos / *Contact arrangement*: 1 Reversível / *SPDT*			
Montagem / *Mounting*: Esquerdo / *Left*				Montagem / *Mounting*: Direito / *Right*			

Esquema de ligação *Wiring diagram*	Corrente máxima *Maximum current*	Esquema de ligação *Wiring diagram*	Corrente máxima *Maximum current*
	3 A		3 A

Bobina de desligamento / *Shutdown coil*

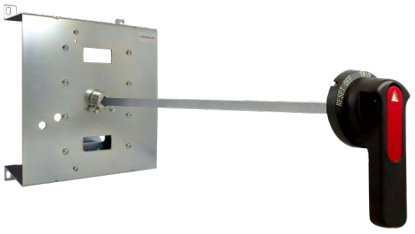
			
DCM-ST100-220	DCM-ST250-220	DCM-ST400/800-220	DCM-ST1250-220
Uso / *Use*: 100S	Uso / *Use*: 250S	Uso / *Use*: 400S, 630S e / *and* 800S	Uso / *Use*: 1250S

Alimentação / *Power supply*: 220 VCA / *VAC*

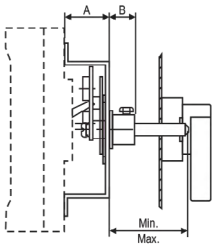
Montagem / *Mounting*: Direito / *Right*

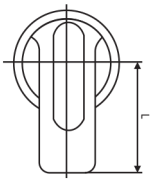
Acessórios externos / *External accessories*

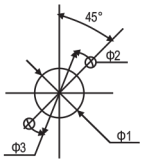
Manopla com bloqueio por cadeado / *Handle with padlock lock*



Tolerância não indicada ± 0,5 mm / *Not indicated tolerance ± 0,5mm*

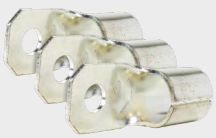






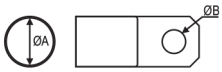
Código / *Code*	Uso / *Use*	Dimensão *Dimensions* (mm)		Diâmetro *Diameter*		Ângulo *Angle*			
		A	B	Mínimo *Minimum*	Máximo *Maximum*	Φ1	Φ2	Φ3	L
DCM-M100	100	45,3	15,7	50 - Ø10	400 - Ø10	33	4,5	53	65
DCM-M250	250	45,3	15,7	50 - Ø10	400 - Ø10				
DCM-M400	400	76,5	16,5	50 - Ø13,5	400 - Ø13,5				125
DCM-M600-800	630/800	77,9	16,9	50 - Ø13,5	400 - Ø13,5				
DCM-M1250	1250	67,3	23,6	50 - Ø13,5	515 - Ø13,5	28,6	5	108,8	122,7

Conectores / *Connectors*

				
DCM-T100	DCM-T250	DCM-T400	DCM-T630	DCM-T800
Uso / *Use*: 100S	Uso / *Use*: 250S	Uso / *Use*: 400S	Uso / *Use*: 630S	Uso / *Use*: 800S

Quantidade / *Quantity*: 3

Dimensão dos conectores / *Connector dimensions*:



Visite o site: metaltex.com.br e conheça a linha completa de proteção elétrica.
Visit site: metaltex.com.br and discover the complete line of electrical protection.