



LINHA DCM

SERIE DCM

DISJUNTOR DE CAIXA MOLDADA

MOLDED CASE CIRCUIT BREAKERS (MCCB)

ESPECIFICAÇÕES TÉCNICAS

TECHNICAL SPECIFICATIONS

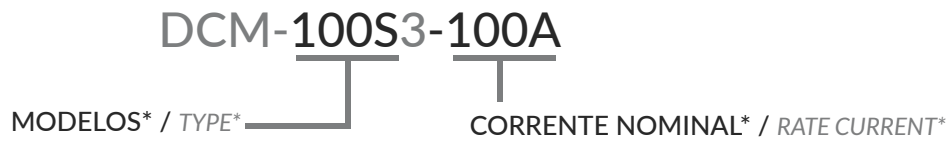


PRINCIPAIS CARACTERÍSTICAS / MAIN CHARACTERISTICS

- 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;



CÓDIGO DE COMPRA / HOW TO ORDER





*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	DCM100S	Modelo / Model	Corrente Nominal Rate Current
	DCM50S3-10A	10 A		DCM100S3-63A	63 A
	DCM50S3-16A	16 A		DCM100S3-40A	40 A
	DCM50S3-20A	20 A		DCM100S3-80A	80 A
	DCM50S3-25A	25 A		DCM100S3-90A	90 A
	DCM50S3-32A	32 A		DCM100S3-100A	100 A
	DCM50S3-40A	40 A			
	DCM50S3-50A	50 A			

DCM250S	Modelo / Model	Corrente Nominal Rate Current	DCM400S	Modelo / Model	Corrente Nominal Rate Current
	DCM250S3-125A	125 A		DCM400S3-300A	300 A
	DCM250S3-150A	150 A		DCM400S3-350A	350 A
	DCM250S3-175A	175 A		DCM400S3-400A	400 A
	DCM250S3-200A	200 A			
	DCM250S3-225A	225 A			
	DCM250S3-250A	250 A			

DCM630S	Modelo / Model	Corrente Nominal Rate Current	DCM800S	Modelo / Model	Corrente Nominal Rate Current
	DCM630S3-500A	500 A		DCM800S3-700A	700 A
	DCM630S3-600A	600 A		DCM800S3-800A	800 A

DCM1250S	Modelo / Model	Corrente Nominal Rate Current	DCM1600S	Modelo / Model	Corrente Nominal Rate Current
	DCM1250S3-1000A	1000 A		DCM1600S3-1600A	1600 A
	DCM1250S3-1250A	1250 A			

ESPECIFICAÇÕES GERAIS / GENERAL SPECIFICATIONS

Modelo / Type	50S	100S	250S	400S	630S	800S	1250S	1600S
Corrente nominal I_n (A) à temperatura ambiente 40°C <i>Rated current (A) at ambient temperature 40°C</i>	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) <i>Breaking capacity (kA)</i>	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
	AC 690V	-	5 / 3	5 / 3	10 / 10	10 / 10	15 / 15	25 / 20
Faixa de ajuste do disparo magnético <i>Setting range of magnetic trip</i>	10 x I_n Fixo / Fixed				5-10 x I_n Ajustável <i>Adjustable</i>		10 x I_n Fixo / Fixed	
Dispositivo de disparo automático <i>Automatic tripping device</i>	Disparo térmico e magnético fixos <i>Thermal and fixed magnetic trips</i>				Disparo térmico fixo e magnético ajustável <i>Fixed thermal and adjustable magnetic trips</i>		Disparo térmico e magnético fixos <i>Thermal and fixed magnetic trips</i>	
Tensão nominal de isolamento CNS/IEC (Ui) <i>Rated insulation voltage CNS/IEC (Ui)</i>	690 VCA / VAC						800 VCA / VAC	
Conexões / Connections	Parafuso / Screw terminal			Parafuso (barramento opcional) <i>Screw terminal (optional busbar)</i>			Barramento / Busbar	
Número de polos / Number of poles	3							
Tensão nominal (U_n) <i>Rated voltage (U_n)</i>	690 VCA / VAC							
Frequência / Frequency	50/60 Hz							
Categoria de utilização (Hz) <i>Usage category</i>	A							
Tensão admissível de impulso (U_{imp}) (kV) <i>Impulse permissible voltage (U_{imp}) (kV)</i>	8 kV							
Peso / Weight (Kg)	0,75	1,1	1,5	5,7	10,9	11,4	32	34

CURVA DE DISPARO / TRIPPING CURVE

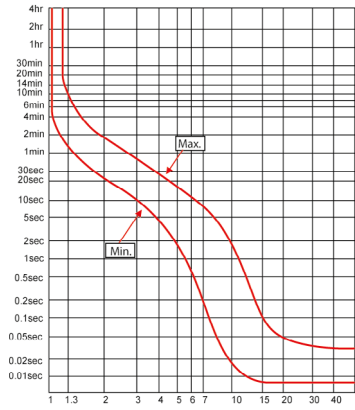
Corrente nominal I_n (A) <i>Rated current I_n (A)</i>	Disparo térmico (temperatura ambiente +40°C) <i>Thermal tripper (ambient temperature +40°C)</i>			Corrente de operação para disparo eletromagnético (A) <i>Operating current of electromagnetic tripper (A)</i>
	(1,05 x I_n) Tempo em repouso (h) (estado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

T_p - Tempo de disparo / Tripper time

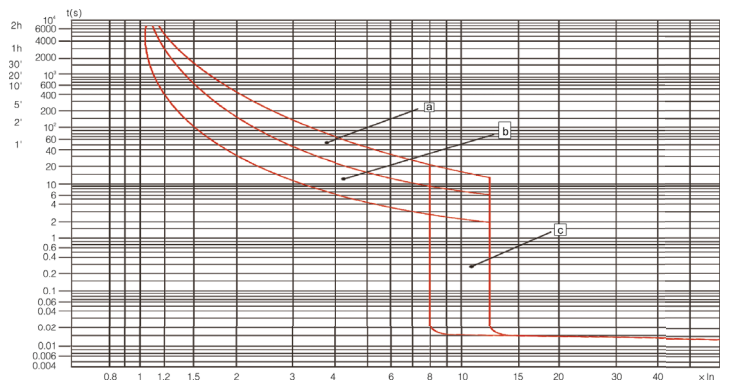
Curva característica de proteção contra sobrecorrente / Curva característica de proteção contra sobrecorrente

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

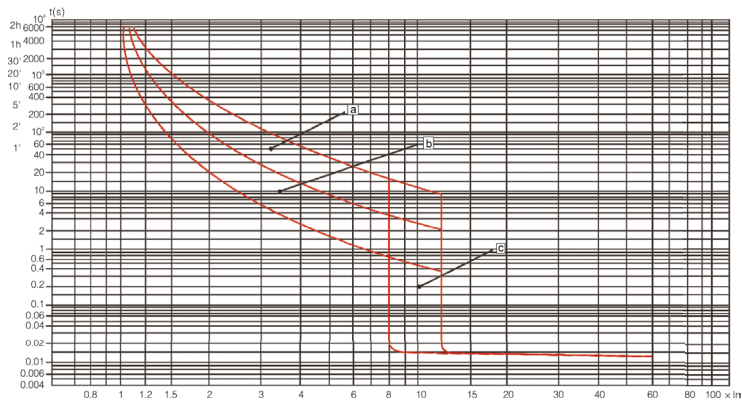
DCM50S



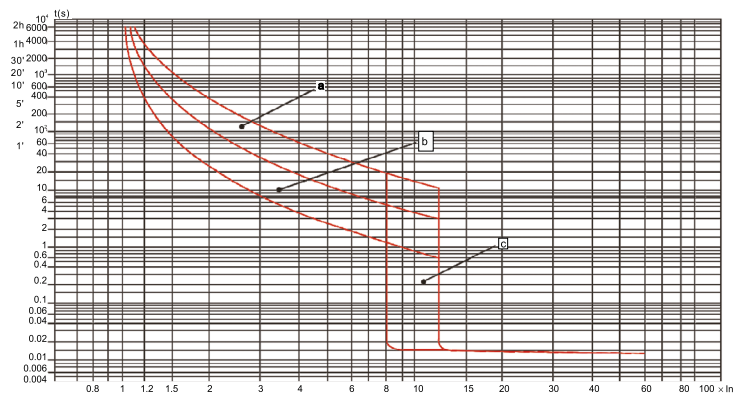
DCM100S



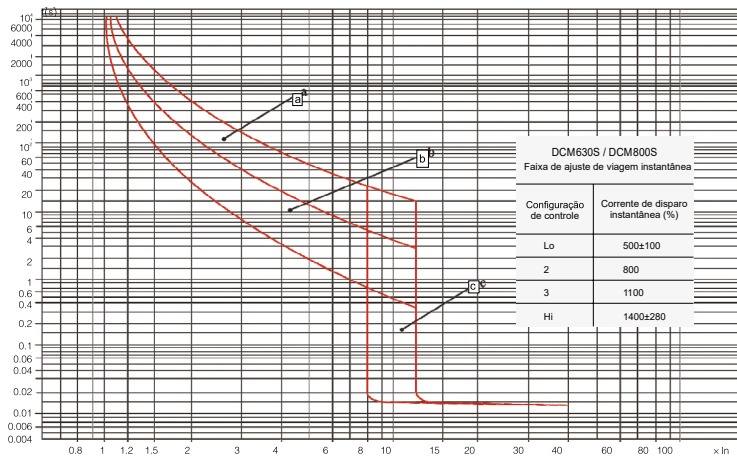
DCM250S



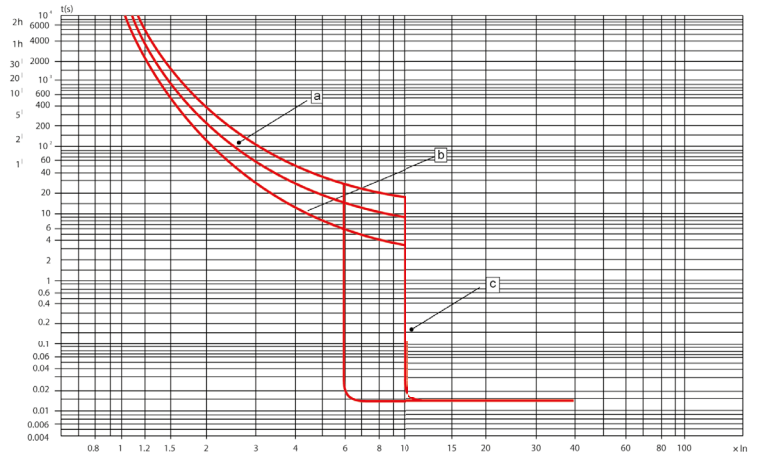
DCM400S



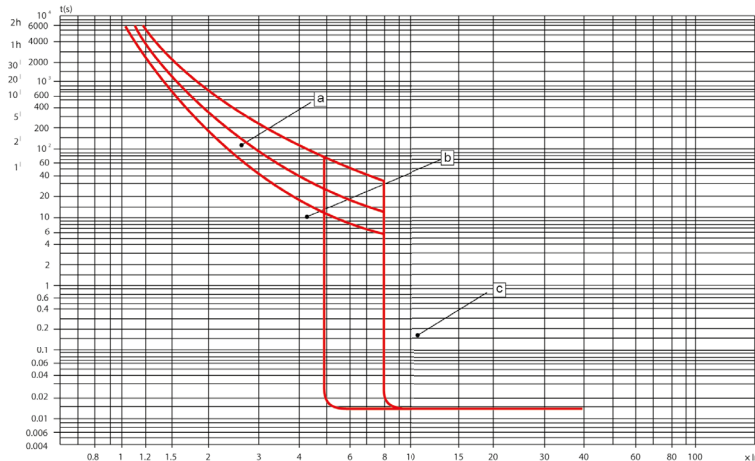
DCM630S / DCM800S



DCM1250S

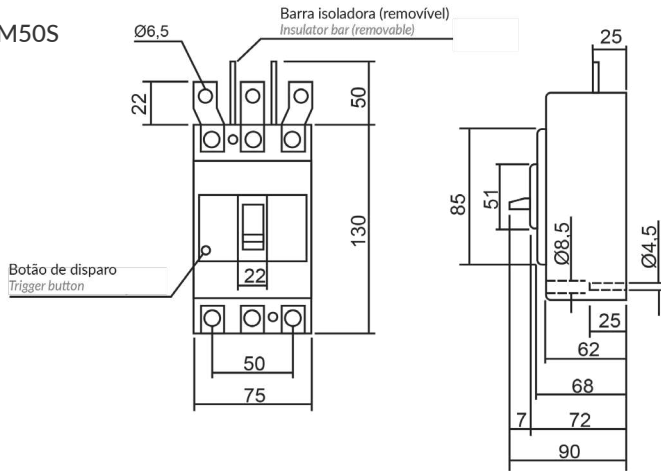


DCM1600S

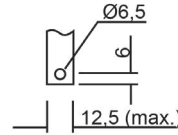


DIMENSÕES / DIMENSIONS (mm)

DCM50S

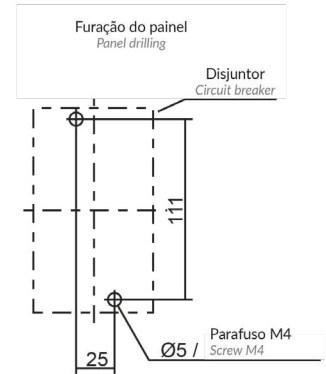


Dimensão para conexão por barramento
Dimension for busbar connection

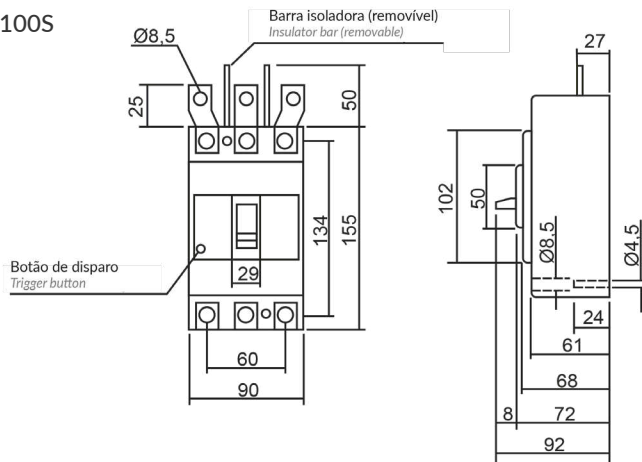


Espessura máxima do condutor
Maximum conductor thickness = 5mm

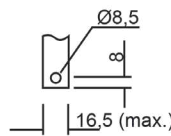
Cabo aplicável / Applicable cable:
2,5 ~ 25 mm²



DCM100S

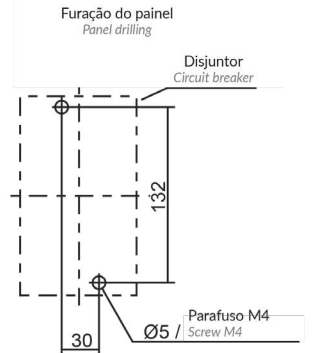


Dimensão para conexão por barramento
Dimension for busbar connection

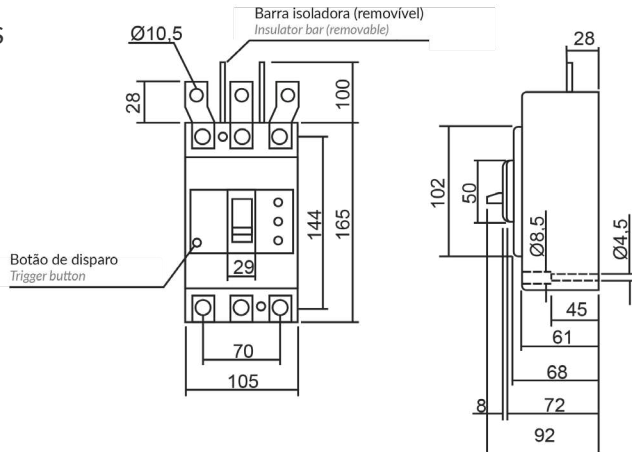


Espessura máxima do condutor
Maximum conductor thickness = 5mm

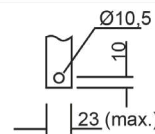
Cabo aplicável / Applicable cable:
In = 10 ~ 63A = 2,5 ~ 35 mm²
In = 75 ~ 100A = 25 ~ 50 mm²



DCM250S

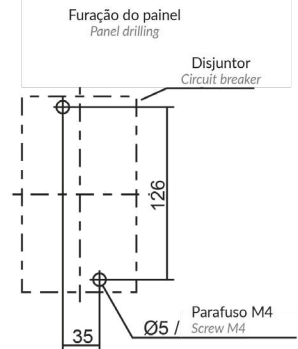


Dimensão para conexão por barramento
Dimension for busbar connection

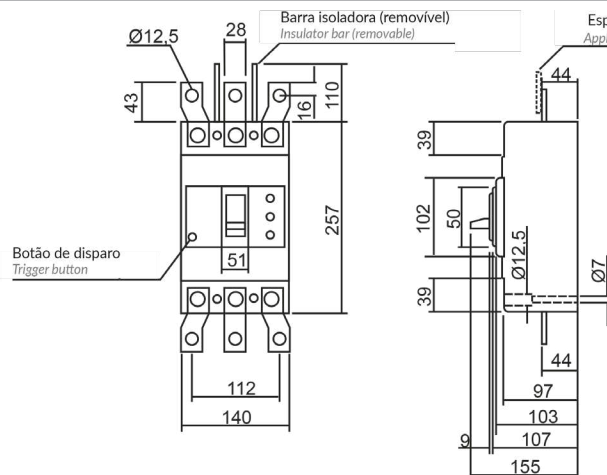


Espessura máxima do condutor
Maximum conductor thickness = 7mm

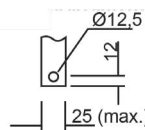
Cabo aplicável / Applicable cable:
In = 100 ~ 175A = 25 ~ 95 mm²
In = 200 ~ 250A = 70 ~ 120 mm²



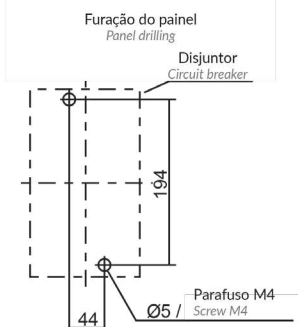
DCM400S



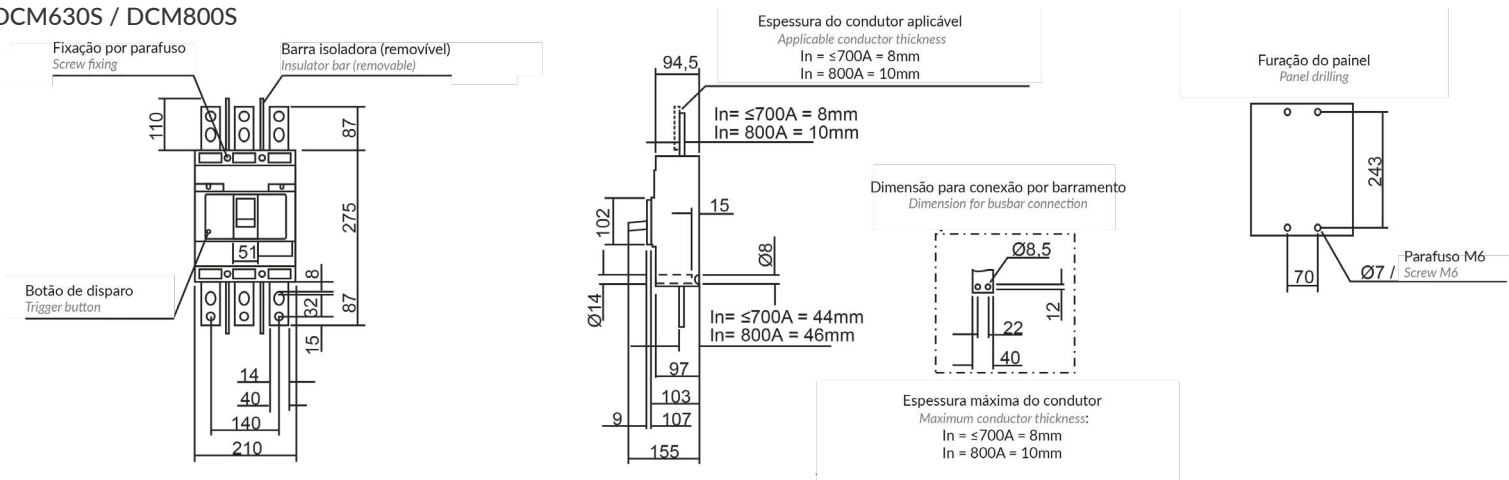
Dimensão para conexão por barramento
Dimension for busbar connection



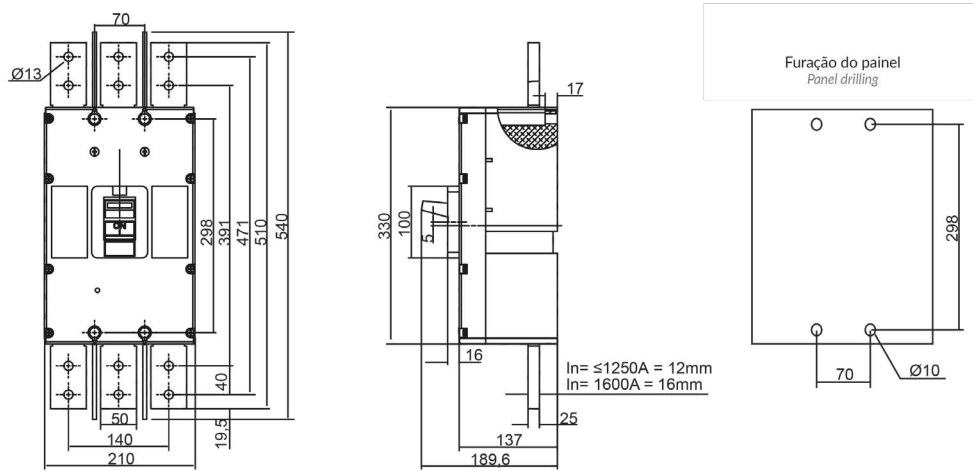
Espessura máxima do condutor
Maximum conductor thickness = 8mm



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

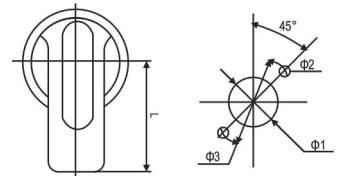
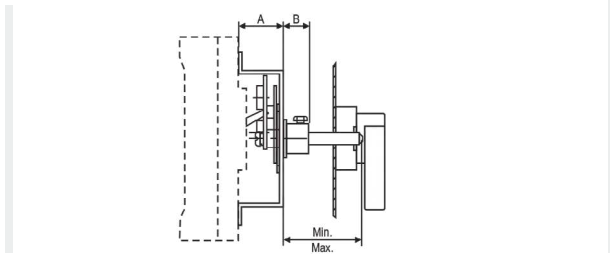
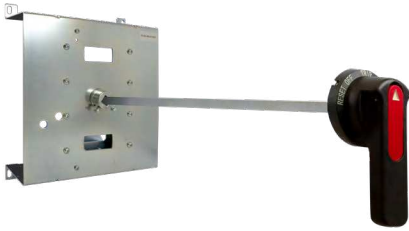
Bobina de desligamento / Shutdown coil

			
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				125
DCM-M400	400	76,5	16,5	50 - Ø13,5	400 - Ø13,5				125
DCM-M630-800	630/800	77,9	16,9	50 - Ø13,5	400 - Ø13,5	28,6	5	108,8	122,7
DCM-M1250	1250	67,3	23,6	50 - Ø13,5	515 - Ø13,5				

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:

