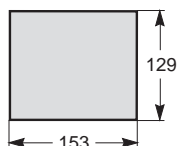
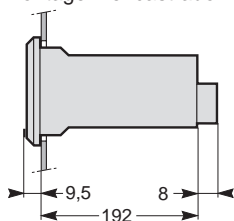


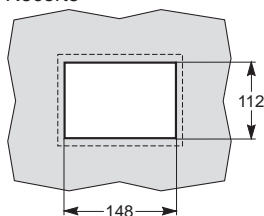
	Página
Vigilohm	
Instalação e ligação	
Dimensões e instalação	381
Ligação	384

XM200, XM300C, XL308, XL316

Montagem encastrado

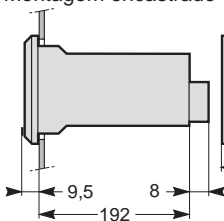


Recorte

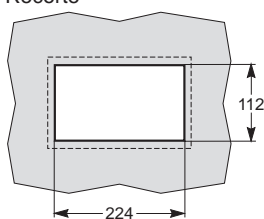


XML308, XML316

Montagem encastrado

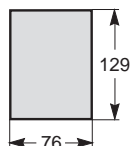
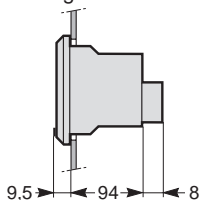


Recorte

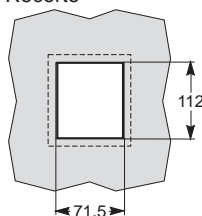


XD308C

Montagem encastrado

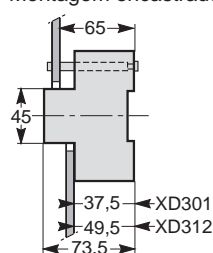


Recorte

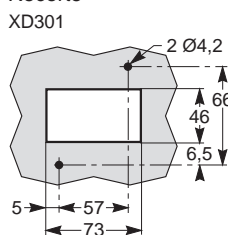


XD301, XD312

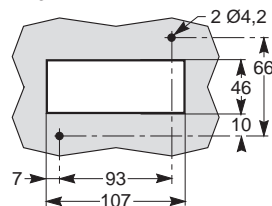
Montagem encastrado



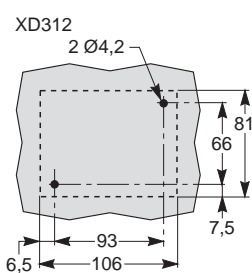
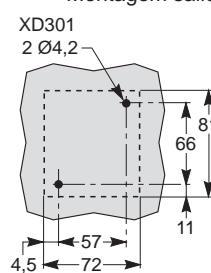
Recorte



XD312

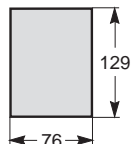
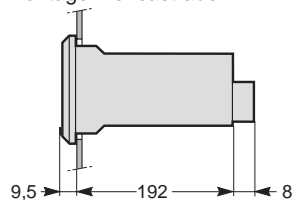


Montagem saliente

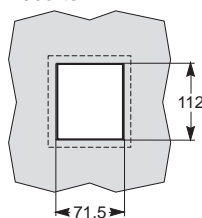


XLI300, XTU300, XAS

Montagem encastrado

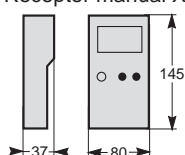


Recorte



XRM + pinças

Receptor manual XRM



Pinças XP50 e XP100



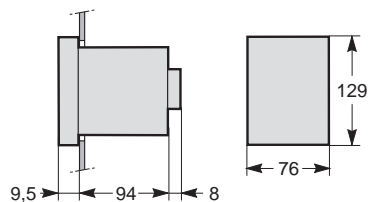
Dimensão dos cabos

XP50 : \varnothing 50 mm

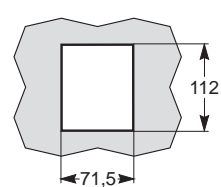
XP100 : \varnothing 100 mm.

TR22A, TR22AH

Montagem encastrado IP 40

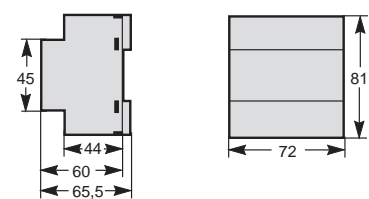


Recorte

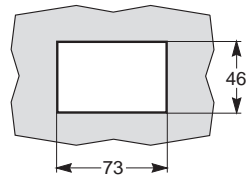


EM9, EM9B, EM9BV, EM9T, SM21

Montagem em calha simétrica IP 20



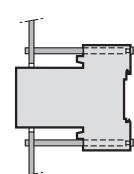
Recorte



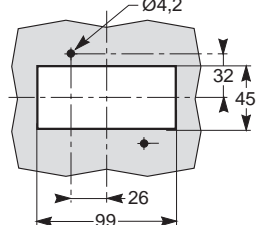
Montagem em painel: utilizar as patas de fixação **20269**.

TR5A

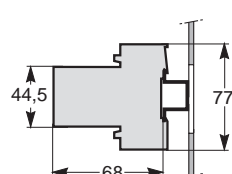
Montagem encastrado IP30 (atrás de painel)



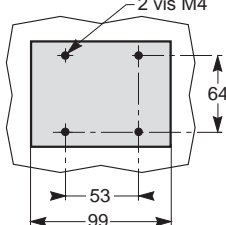
Montagem em painel IP 20



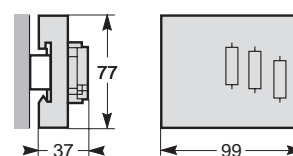
Montagem em calha simétrica IP 20



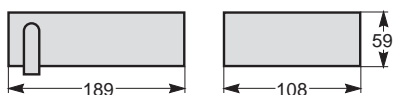
furação



Platina auxiliar aa > 220 V

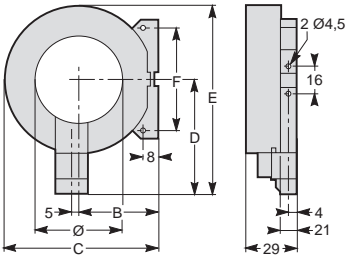


XGR



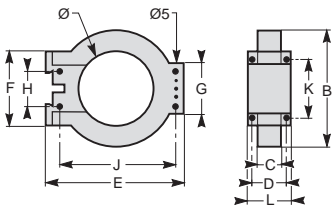
toros A e OA

tipo A
ø 30 e 50



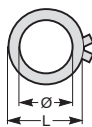
tipo	ø	B	C	D	E	F
TA30	30	31	60	53	82	50
PA50	52	45	87	66	108	60

tipos A
ø 80 a 200

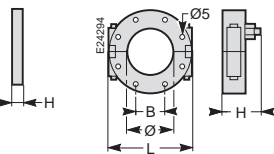


tipo	ø	B	C	D	E	F	G	H	J	K	L
IA80, IE80	80	122	26,5	35	150	80	55	40	126	65	44
MA120, ME120	120	164	26,5	35	190	80	55	40	166	65	44
SA200, SE200	196	256	29	37	274	120	90	60	255	104	46

tipo A
ø 300



tipo OA
ø 46 e 110



tipo	ø	H	L
GA300	299	29	344

tipo	ø	H	L	B	C
POA	46	68	148	57	38
GOA	110	68	224	76	44

Exemplos de fixação de toros de tipo A
Em detector XD301, ø 30 ou 50



Em calha, ø 30 a 80



em chapa ou perfil, tipo A, ø 30 a 200



Em cabo, ø 120 a 300



Vigilohm: instalação e ligação

XM200



Bornes de caixa para cabo de 1,5 mm²

Legenda:

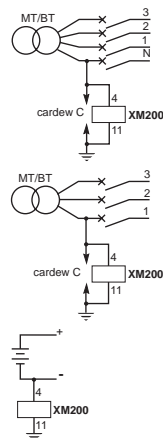
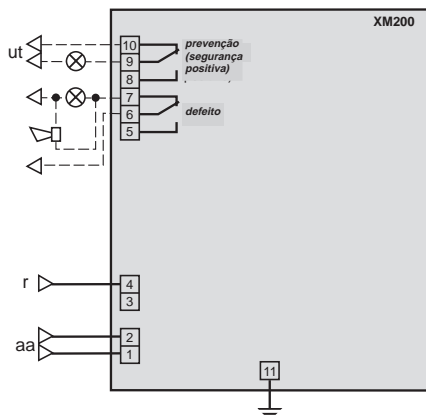
aa: alimentação auxiliar ~ +10 %, -10 %

50-60 Hz

ut: utilização

r: rede

borne 11: tomada de terra para terminais redondos ø 4 mm



XM300C



Bornes de caixa para cabos de 1,5 mm²

Legenda:

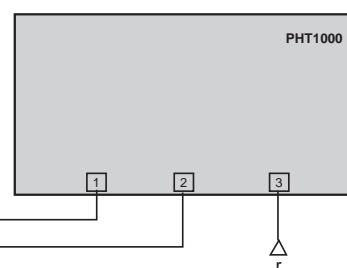
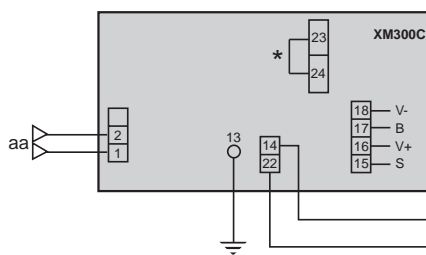
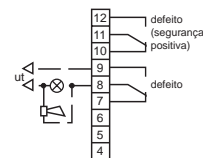
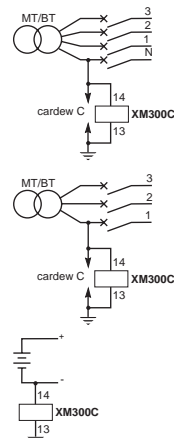
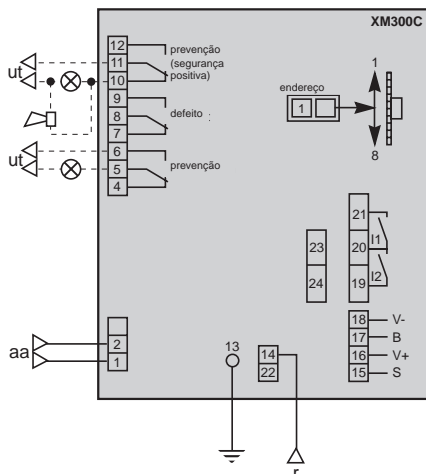
aa: alimentação auxiliar ~ +10 %, -10 %

50-60 Hz

ut: utilização

r: rede

borne 13: tomada de terra para terminal redondo a ø 4 mm
* ligação fornecida com o PHT1000



XML308, XML316



Bornes de caixa para cabo de 1,5 mm²

Legenda:

aa: alimentação auxiliar ~ +10 %, -10 %

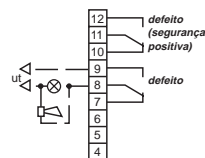
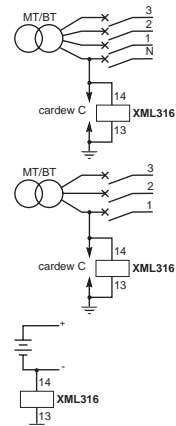
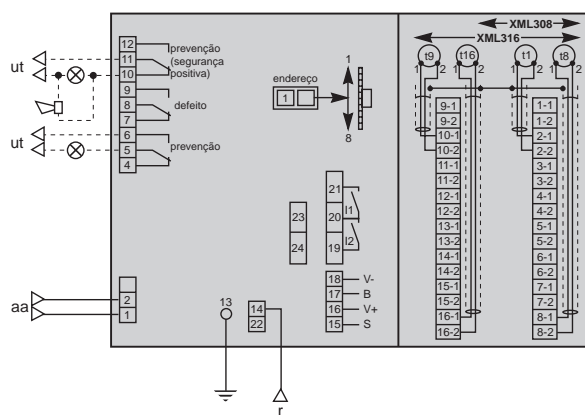
50-60 Hz

ut: utilização

r: rede

t: tore A ou OA

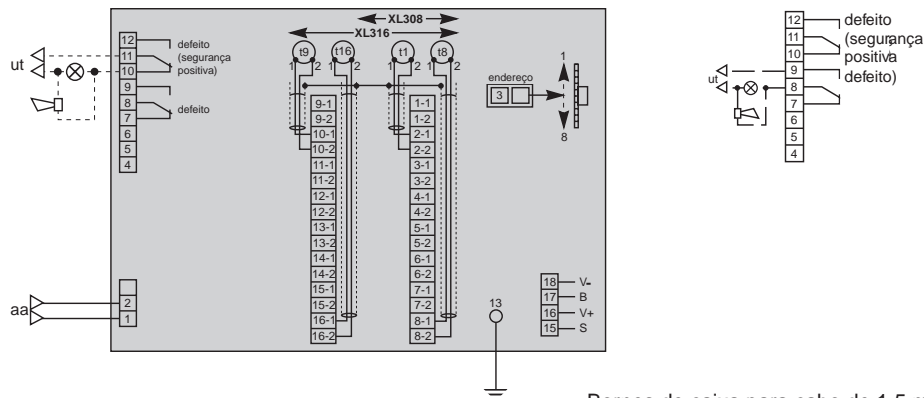
borne 13: tomada de terra para terminal redondo a ø 4 mm



Vigilohm: instalação e ligação

ligação (continuação)

XL308, XL316



Bornes de caixa para cabo de 1,5 mm²

Legenda:

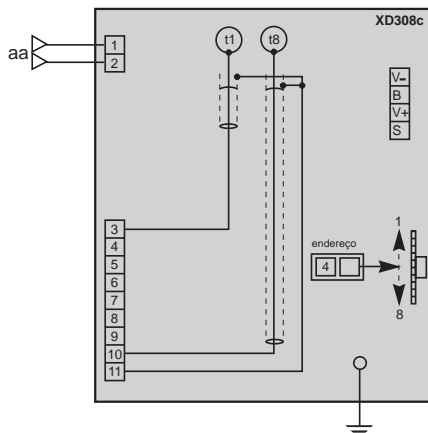
aa: alimentação auxiliar a + 10 %, - 10 %
50-60 Hz

ut: utilização

t: toro A ou OA

borne 13: tomada de terra para terminal redondo a ϕ 4mm

XD308C



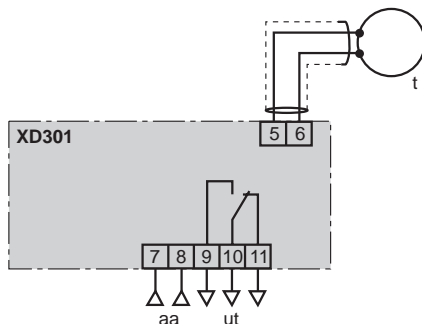
Bornes de caixa para cabos de 1,5 mm²

Legenda:

aa: alimentação auxiliar a + 10 %, - 15 %
50-60 Hz

t: toro A ou OA

XD301



Bornes de caixa para cabos de 1,5 mm²

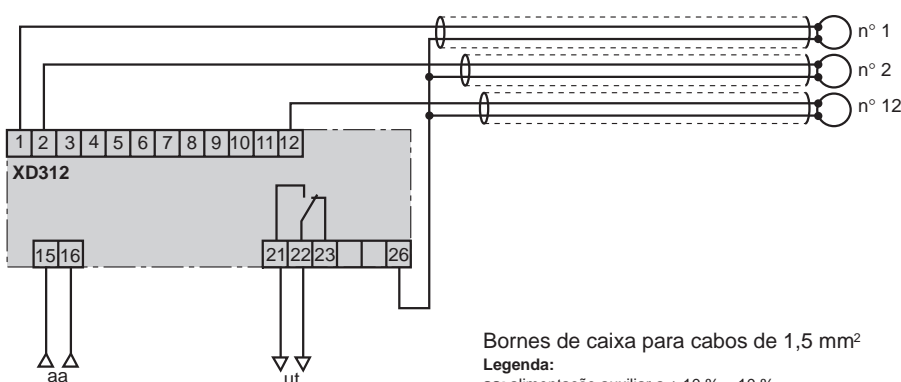
Legenda:

aa: alimentação auxiliar a + 10 %, - 10 %
50-60 Hz

ut: utilização

t: toro A ou OA

XD312



Bornes de caixa para cabos de 1,5 mm²

Legenda:

aa: alimentação auxiliar a + 10 %, - 10 %
50-60 Hz

ut: utilização

t: toro A ou OA

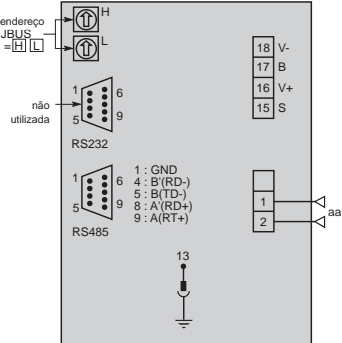
XLI300, XTU300, XAS



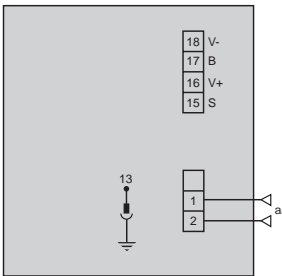
XLI300 Sub D 9 Pts
RS485
1 massa sinal.
4 recept. dados –
5 transm. dados –
8 recept. dados +
9 transm. dados +
XTU300 Sub D 9 Pts
RS232
2 recept. dados
3 transm. dados
5 massa sinal.
RS485
1 massa sinal.
4 recept. dados –
5 transm. dados –
8 recept. dados +
9 transm. dados +

- não mais que uma interface sobre o bus Vigilohm System;
- para ligar os aparelhos ao bus de dados (par duplo torsada blindado), é aconselhada a interligação entre os bornes S depois B, depois V+, depois V–.

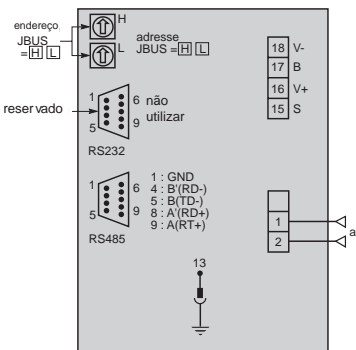
XLI300



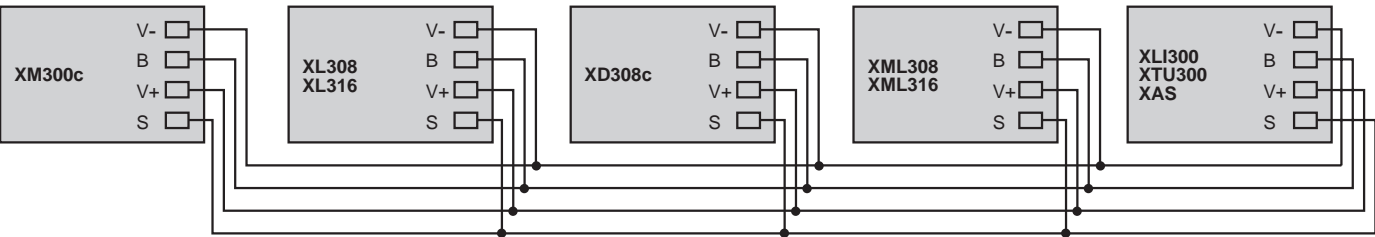
XAS



XTU300



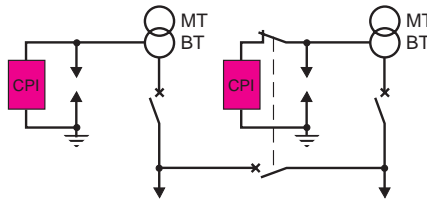
Exemplo de ligação em linha



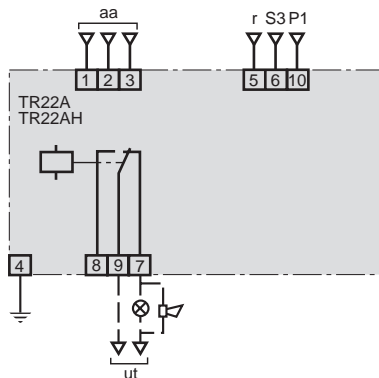
Vigilohm: instalação e ligação

ligação (continuação)

União de duas redes
Prever a colocação fora de serviço momentânea de um dos Vigilohm.



TR22A/TR22AH



Cabos de 2,5 mm²

Legenda:

aa: alimentação auxiliar ~ 50-60 Hz

+10 %, -15 %



110-127 V ~ 110-127 V

220/415 V ~ 220-240 V 380-415 V

440/525 V ~ 440-480 V 500-525 V

r: rede

S3: platina S3 (facultativo)

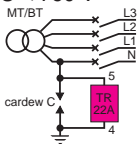
ut: utilização

P1: platina P1 (facultativo)

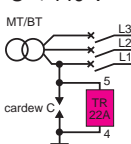
Utilização com segurança positiva: relés de saída excitados em permanência e não excitados em caso de falta de tensão auxiliar (de origem interna ou externa), ou de defeito de isolamento.

auxiliar: ponto neutro indutivo S3

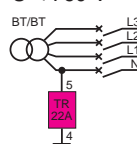
U < 760 V



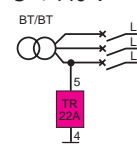
U < 440 V



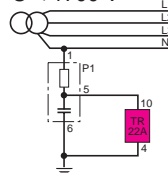
U < 760 V



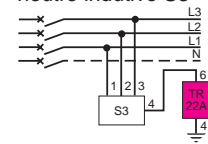
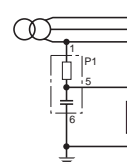
U < 440 V



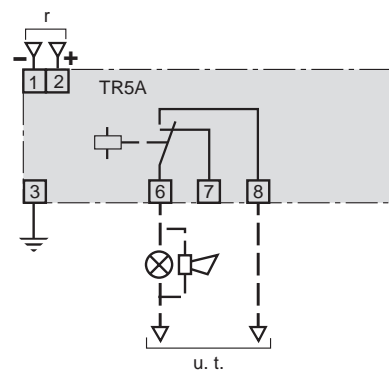
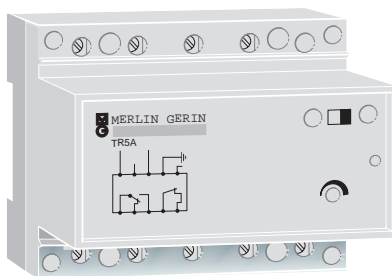
U < 1700 V



U < 1000 V



TR5A



Nota : para um TR5A de segurança positiva, utilizar os bornes 6 e 7.

cabos de 2,5 mm²

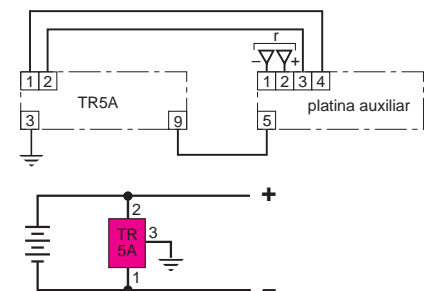
Clip de 6,35 mm

Legenda:

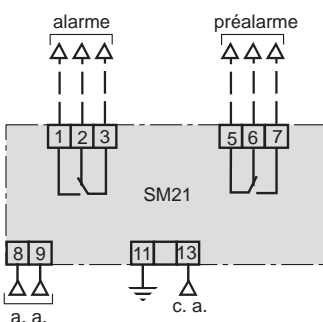
r: alimentação rede +20 %, -20 %

ut: utilização

r > 220 V



SM21

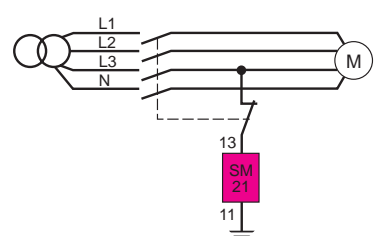


cabos de 2,5 mm²

Legenda:

aa: alimentação

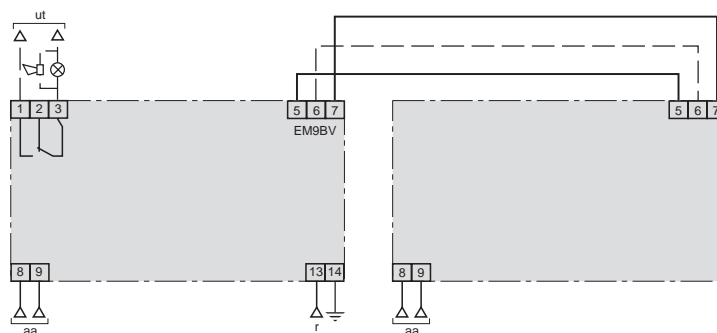
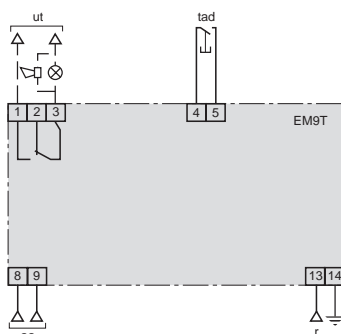
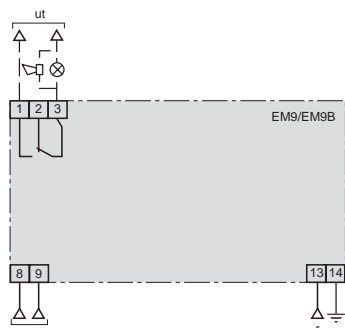
c.a.: contacto auxiliar



Nota: assegurar-se que o contacto auxiliar do órgão de comando do motor suporta a tensão estipulada sempre que o contacto estiver aberto.



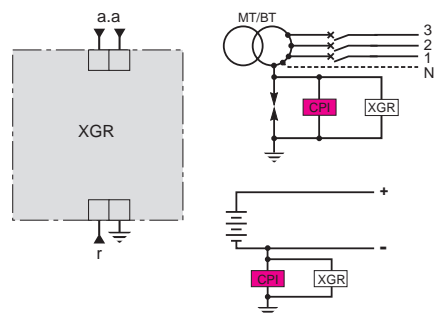
aa: alimentação auxiliar + 10 %, - 15 %
ut: utilização
r: rede
tad: teste à distância



Utilização com segurança positiva: relé de saída excitado permanentemente e não excitado no caso de falta de tensão auxiliar (origem interna ou externa), ou de defeito de isolamento.

- ensaios à distância: bornes 4 e 5
- em conformidade com a norma UTE C63-080.

A line drawing of a rectangular power supply unit, identified as a Merlin Gerin. It has a metal casing with a latch on the left side. The front panel features the brand name 'MERLIN GERIN' in a rectangular label, with two small circular indicators below it.



a. a.: alimentação auxiliar
r.: rede