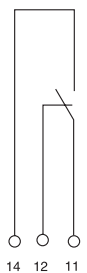
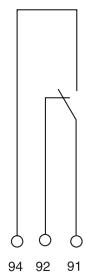
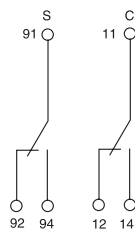
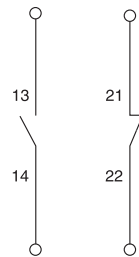


ACCESSORIES AND AUXILIARIES FOR MODULAR CIRCUIT BREAKER

Auxiliary contacts

TECHNICAL DATA			AUX CONTACTS FOR MTC - MT - MTHP - MDC - IDP	AUX CONTACTS FOR IDP 4P - 3 modules	AUX CONTACTS FOR IDP 125A	AUX CONTACTS FOR IDP type B
Code:			GW96001 - GW96006 - GW96009 - GWD6002 - GWD6007 - GWD6010	GW96003 - GW96004	GW96005	GW96007
DIN modules:			0,5	0,5	0,5	0,5
Rated operating voltage (Ue):	AC - 50 Hz	(V)	24 ÷ 400	24 ÷ 400	24 ÷ 400	24 ÷ 230
	DC	(V)	24 ÷ 250	24 ÷ 110	-	24 ÷ 220
Aux contact type:			1 CO	1 NO + 1 NC	1 NO + 1 NC	1 NO + 1 NC
Rated operating current (Ie):	AC12 - 230V	(A)	6	6	5	5
	AC12 - 400V	(A)	3	2	0,5	-
	DC12 - 24V	(A)	6	4	-	-
	DC12 - 60V	(A)	2	-	-	-
	DC12 - 110V	(A)	1,5	1	-	-
	DC12 - 250V	(A)	1	-	-	0,5
Minimum operating current:			(mA)	5	-	-
Rated tightening torque:			(Nm)	0,6	0,6	0,6
Beam stripping cable recommended:			(mm)	6	6	6
Screwdriver suggested:			Philips 1	Philips 1	Philips 1	Philips 1
Operating temperature:			(°C)	-25 ÷ 60	-25 ÷ 60	-25 ÷ 60
Max cable section (flexible/rigid):			(mm²)	2,5	2,5	2,5

Circuit diagrams - Auxiliary contacts

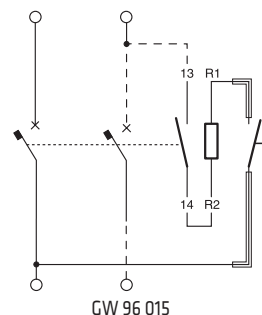
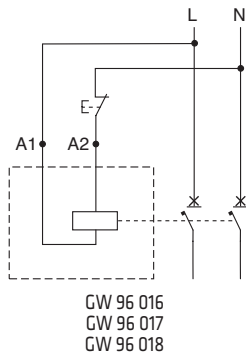
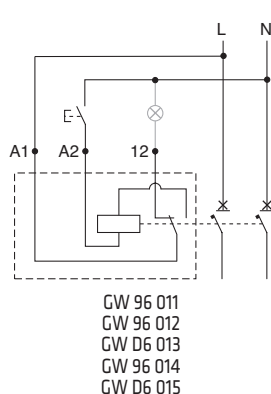
GW 96 001
GW D6 002GW 96 006
GW D6 007GW 96 009
GW D6 010GW 96 003
GW 96 004
GW 96 005
GW 96 007

S = auxiliary contact set as fault indicator switch
C = auxiliary contact set as open/closed position

Shunt trip and Undervoltage releases

TECHNICAL DATA			SHUNT TRIP RELEASES								UNDERVOLTAGE RELEASES			
Code:			GW96011 GWD6013			GW96012 GWD6015			GW96014	GW96015	GW96016	GW96017	GW96018	
DIN modules:			1			1			1	1	1	1	1	
Rated operating voltage (Ue):	AC - 50 Hz	(V)	12	24	48	110	-	415	230	230	230	24	48	
	DC	(V)	12	24	48	110	125	-	-	-	-	24	48	
Pick-up current:			(A)	1,6	3,2	6,4	0,22	0,25	0,84	0,46	-	-	-	
Pick-up power:			(VA in AC - W in DC)	19,2	76,8	307	24,4	31,6	348	106	-	-	-	
Rated operating current (Ie):	AC12 - 230V	(A)	6			6			6	-	-	-	-	
	AC12 - 400V	(A)	3			3			3	-	-	-	-	
	DC12 - 24V	(A)	6			6			6	-	-	-	-	
	DC12 - 60V	(A)	2			2			2	-	-	-	-	
	DC12 - 110V	(A)	1,5			1,5			1,5	-	-	-	-	
	DC12 - 250V	(A)	1			1			1	-	-	-	-	
Release trip:	AC - 50 Hz	(V)	-			-			-	-	0,35 ÷ 0,7 Ue	0,35 ÷ 0,7 Ue	0,35 ÷ 0,7 Ue	
	DC	(V)	-			-			-	-	-	0,35 ÷ 0,7 Ue	0,35 ÷ 0,7 Ue	
Minimum operating voltage:	AC - 50 Hz	(V)	8,4			77			161	170	-	-	-	
	DC	(V)	8,4			77			77	-	-	-	-	
Minimum reset voltage:	AC - 50 Hz	(V)	-			-			-	-	0,85 Ue	0,85 Ue	0,85 Ue	
	DC	(V)	-			-			-	-	-	0,85 Ue	0,85 Ue	
Maximum operating voltage:	AC - 50 Hz	(V)	52,8			456,5			253	440	-	-	-	
	DC	(V)	52,8			137,5			137,5	-	-	-	-	
Duration of impulse command:			(ms)	< 10			< 10			< 10	< 10	-	-	-
Tripping time:			(ms)	< 10			< 10			< 10	< 10	-	-	-
Tripping delay:			(ms)	-			-			-	-	300	300	300
Holding current:			(mA)	-			-			-	-	12	10	12
Holding power:			(VA)	-			-			-	-	2,8	0,28	0,57
Coil resistance:			(Ω)	7,5			495			495	360	-	-	-
Aux contact type:				1 NO			1 NO			1 NO	-	-	-	-
Rated tightening torque:			(Nm)	0,6			0,6			0,6	0,06	0,6	0,6	0,6
Beam stripping cable recommended:			(mm)	6			6			6	6	6	6	6
Screwdriver suggested:				Philips 1			Philips 1			Philips 1	Philips 1	Philips 1	Philips 1	Philips 1
Operating temperature:			(°C)	-5 ÷ 55			-5 ÷ 55			-5 ÷ 55	-5 ÷ 55	-5 ÷ 55	-5 ÷ 55	-5 ÷ 55
Max cable section (flexible/rigid):			(mm²)	2,5			2,5			2,5	2,5	2,5	2,5	2,5

Circuit diagrams - Releases

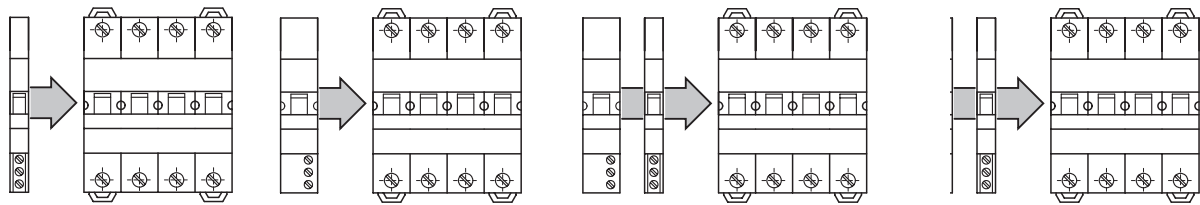


Note: It is not necessary to connect the terminal 12 to carry out the tripping. The terminal 12 is used only in order to know the tripping of circuit breaker caused by release (for example by an indicator light)

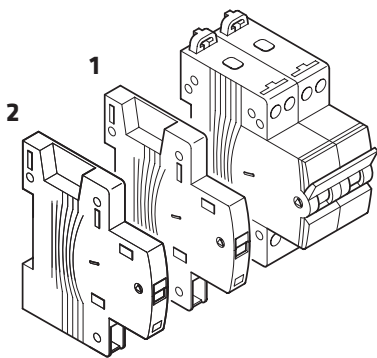
MODULAR ACCESSORIES

MTC - MT - MTHP - MDC

For each circuit breaker it's possible to fit up to max 2 accessories. The shunt trip releases or under voltage releases must be positioned to the left of the accessories, as shown in the figure.



If 2 auxiliary contacts are used, it is necessary to observe the connection rules shown in the table below.



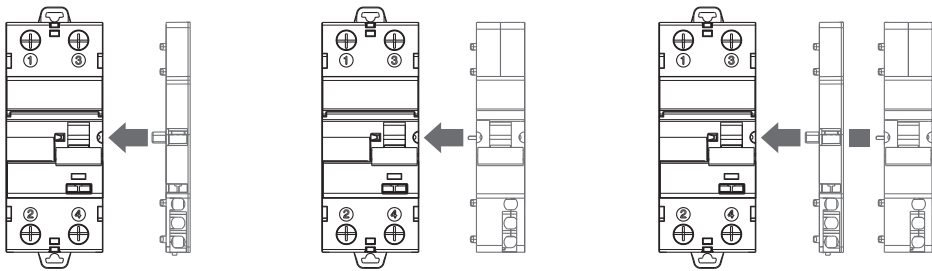
POS. 2	POS. 1
GW 96 001 GW 96 009c	GW 96 001 GW 96 009c
GW 96 001	GW 96 006 GW 96 009s
GW 96 009c	
GW 96 006 GW 96 009s	

GW 96 009c: open/closed auxiliary contact set
GW 96 009s: tripped relay auxiliary contact set

IDP

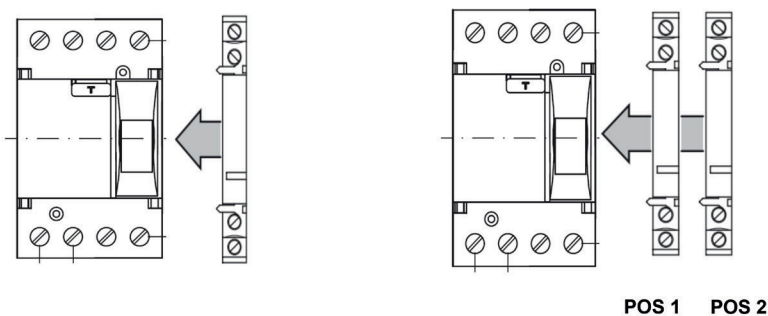
RCCB's for IDP 2P-4P up to 100 A (except for the B type)

It is possible to couple until 2 accessories for each RCCB. The shunt trip releases or the under voltage releases must be set at the right end of accessories as shown in the figure below.



RCCB's 4P 3 modules

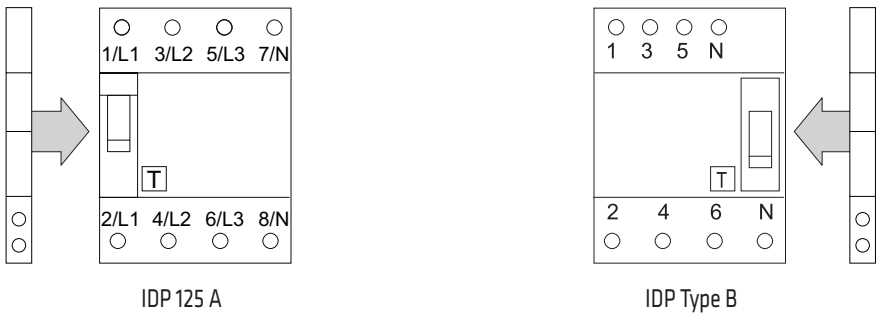
It is possible to couple until 2 accessories for each RCCB. The shunt trip release must be set at the right end of accessories as shown in the figure below.



POS. 1	POS. 2
GW 96 003	GW 96 015
GW 96 004	GW 96 015

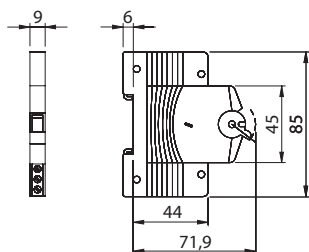
RCCBS's 125A and B type

It is possible to couple until 1 accessory for each 2P and 4P RCCB.

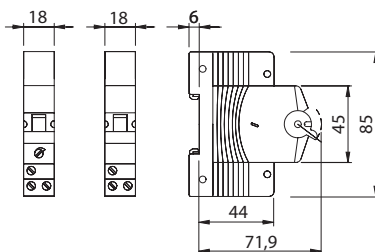


Dimension tables

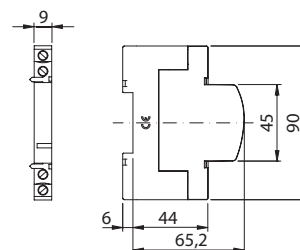
AUXILIARY CONTACTS FOR MTC-MT-MTHP-MDC



RELEASES FOR MTC-MT-MTHP-MDC

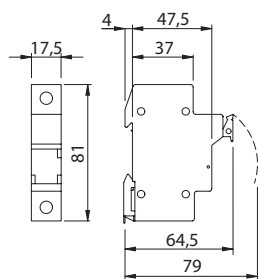


AUXILIARY CONTACTS AND RELEASES FOR SD

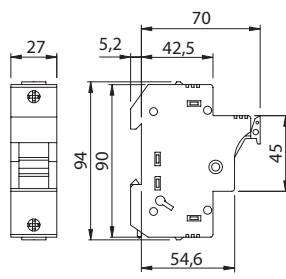


DISCONNECTABLE FUSE HOLDERS

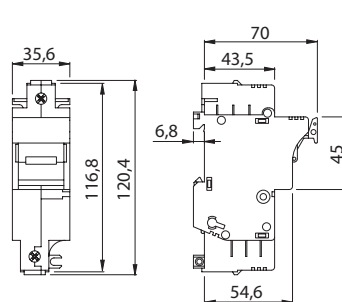
AC Fuse holders



For fuses 8,5 x 31,5 - 10,3 x 38



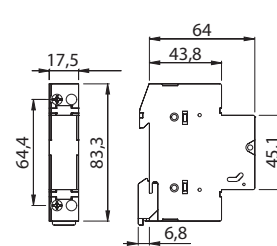
For fuses 14 x 51



For fuses 22 x 58

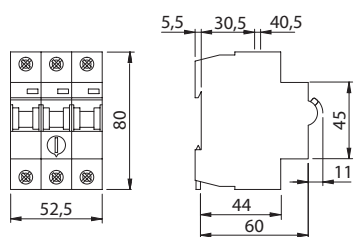
DC Fuse holders

Compact fuse holder



For fuses 10,3 x 38

MOTOR PROTECTION SWITCHES



AC SWITCH DISCONNECTORS

