

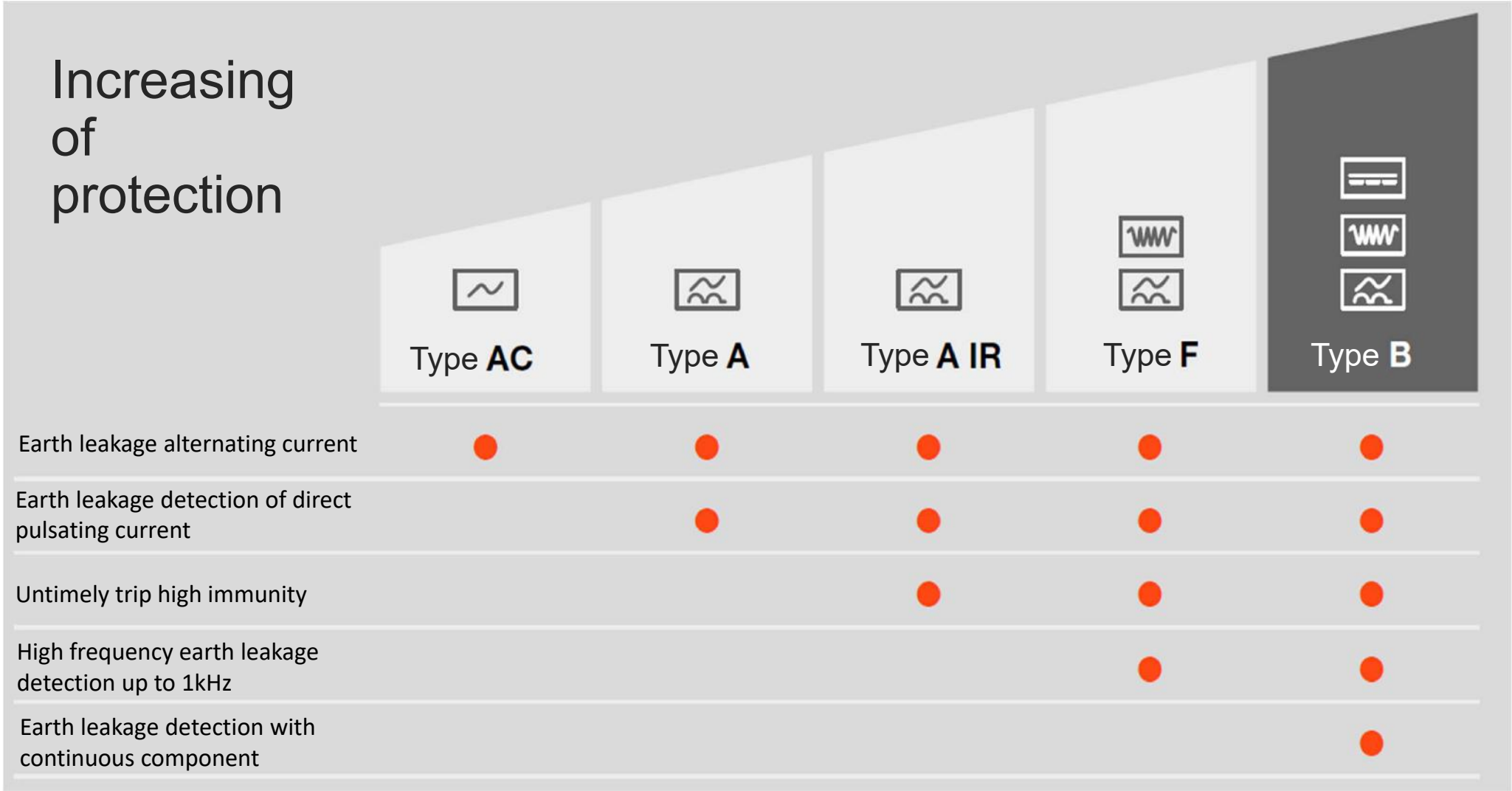
# RCCB type B



# RCCB, RCBO type F [IR]



# RCD type overview



# RCCB type B



# RCCB type B

## APPLICATIONS



AC-AC frequency  
converters  
for three phase motor  
(elevator, pump,  
electromedical)



DC-AC converters  
(photovoltaic)



EV charger

# RCCB type B

## RANGE OVERVIEW

RANGE



Poles	In [A]	Idn [mA]	Code
2P	25	30	GWD4502
		300	GWD4504
	40	30	GWD4507
		300	GWD4509
	63	30	GWD4512
		300	GWD4514
4P	25	30	GWD4527
		300	GWD4529
	40	30	GWD4532
		300	GWD4534
	63	30	GWD4537
		300	GWD4539

MARKS:



IMQ



VDE

# RCCB type B

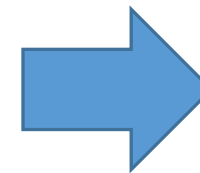
## RANGE OVERVIEW

**WARNING!!**

PHASE-OUT CURRENT RANGE

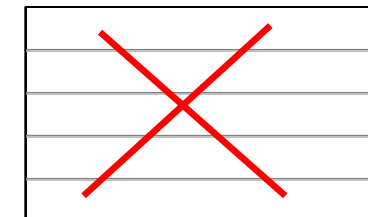


Codes	Poles	In (A)	Idn (mA)	Type	
GW95701	2	25	30	B [IR]	
GW95706		40	30		
GW95716	4	25	30		
GW95718			300		
GW95721		40	30		
GW95723			300		
GW95726		63	30		
GW95728			300		
GW96007	Auxiliary contact				



New codes
GWD4502
GWD4507
GWD4527
GWD4529
GWD4532
GWD4534
GWD4537
GWD4539
GWD6002

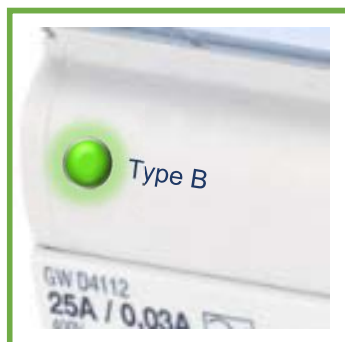
GW95731	4	80	30	B [IR]
GW95733			300	
GW95729		63	500	
GW95737			300	
GW95743			80	



No alternative in new version

# RCCB type B

## TECHNICAL CHARACTERISTICS





IDP type B	
Standards	IEC/EN 61008-1 IEC/EN 62423
Rated current $I_n$	25/40/63A
Rated operating voltage $U_e$	230/400V
Rated frequency	50Hz
Poles	2/4P
Type of protection	B [IR]
$I_{dn}$	30/300mA
Immunity (8/20 $\mu$ s)	3kA
Supply	Top/bottom
Operating temperature	-25..+60°C (*)
Width	4 modules

(\*) With In derating

# ReStart type B

FITTABLE TO RESTART

RCCB type B	RESTART 4P PRO
4 MOD	3 MOD
	
7 MOD	
	

RESTART	
Standards	EN 50557
Rated operating voltage Ue	230
Rated frequency	50Hz
Check of the system	Yes
Reclosing	10s
Operation number	4000
Operating temperature	-25..+60°C (*)
Width	3 modules



(\*) Daily average temperature  $\leq +35^{\circ}\text{C}$



# RESTART AUTOTEST / AUTOTEST type B

## RANGE OVERVIEW

### RANGE

Device	$I_{dn}$ [mA]	$I_n$ [A]	2 Poles	4 Poles
AT and ATR	30	25		
		40		
		63		
	300	25		
		40		
		63		

### MARKS:



IMQ

Only for  
ATR version



VDE

Only for  
AT version

# ReStart Autotest Type B / Autotest Type B

## TECHNICAL CHARACTERISTICS



7 MODULES

RCCB type B	
Standard	IEC/EN 61008-1 IEC/EN 62423 EN50557 (for ATR) VDE V 0664(for AT)
Rated current I <sub>n</sub>	25/40/63A
Rated operating voltage U <sub>e</sub>	230/400V
Rated frequency	50Hz
Poles	2/4P
Type of protection	B [IR]
I <sub>dn</sub>	30/300mA
Immunity (8/20μs)	3kA
Supply	Top
Operating temperature	-25..+60°C (*)
Width	7 modules

(\*) Daily average temperature ≤ +35°C

# RCCB, RCBO type F [IR]



# RCCB, RCBO type F [IR]



## APPLICATIONS

- Household appliances and motors with single phase inverters
- A single phase inverter is a commonly used electric drive which regulates the speed of an electric motor, operating on supply voltage and frequency.



Cooling system



Washing machine



Motors with single inverter

# RCCB type F [IR]

## RANGE OVERVIEW



Type	Poles	In [A]	Idn [mA]	Code
Neutral on the right	2P	25	30	GWD4261
		40	30	GWD4265
		63	30	GWD4269
		100	30	GWD4277
	4P	25	30	GWD4281
		40	30	GWD4285
		63	30	GWD4289
		100	30	GWD4297
Neutral on the left	4P	25	30	GWD4307
		40	30	GWD4327
		63	30	GWD4347
3 modules (DE market)	4P	40	30	GW94977

# RCCB type F [IR]

## TECHNICAL CHARACTERISTICS



RCCB type F[IR]	
Standards	IEC/EN 61008 IEC/EN 62423
Rated current I <sub>n</sub>	25/40/63/100 A
Rated operating voltage U <sub>e</sub>	230/400 V
Rated frequency	50/60 Hz
Poles	2P/4P
Type of protection	F [IR]
I <sub>dn</sub>	30 mA
Immunity (8/20μs)	3kA
Supply	Top/bottom
Operating temperature	-25..+60°C
Width	2/4 modules

# RCBO type F [IR]

## RANGE OVERVIEW



$I_{dn}$ [mA]	$I_{cn}$ [kA]	Poles	Curve	$I_n$	Code
30mA	6kA	2P	C	6	GW95975
				10	GW95976
				13	GW95981
				16	GW95977
				20	GW95978
				25	GW95979
			B	6	GW95935
				10	GW95936
				13	GW95941
				16	GW95937
				20	GW95938
				25	GW95939
	10kA	C	2P	32	GW95940
				6	GW95955
				10	GW95956
				13	GW95961
				16	GW95957
				20	GW95958
		B		25	GW95959
				32	GW95960
				6	GW95965
				10	GW95966
				13	GW95971
				16	GW95967
20	GW95968				
25	GW95969				
32	GW95970				

# RCBO type F [IR]

## TECHNICAL CHARACTERISTICS

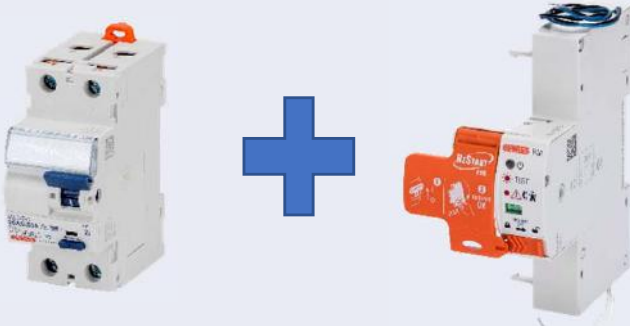



RCBO type F[IR]	
Standards	IEC/EN 61009 IEC/EN 62423
Icn [kA]	6000 / 10000 A
Curve	B/C
Rated current In	6÷32 A
Rated operating voltage Ue	230/400V
Rated frequency	50/60 Hz
Poles	2P
Type of protection	F [IR]
I <sub>dn</sub>	30 mA
Immunity (8/20μs)	3 kA
Supply	Top/bottom
Operating temperature	-25..+40°C
Width	2 modules



# ReStart type F [IR]

## 3. FITTABLE TO RESTART (for RCCB also available Restart 4P)

RCCB / RCBO type F [IR]	RESTART 2P / RESTART 2P PRO
2 MOD	1 MOD
	
3 MOD	
	

# Thank you for your kind attention