

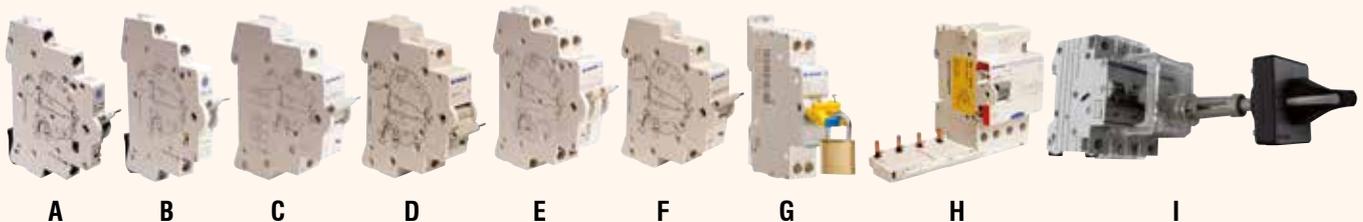


Safety and protection are the prime purposes of Terasaki products. Our range of DIN modular Protection products covers ratings from 0.5A to 125A and includes:

- Circuit breakers for overload and short-circuit protection,
- Residual current devices for the prevention of electric shock and fires,
- Circuit breakers combining overload, short-circuit and residual current protection.

With more than 500 items in the range, there is a solution for most applications.

Accessories



- A** Auxiliary contact 1NO, 1NC. 6A, 230V AC. Not suitable for TD3RCCB
- B** Alarm contact, 1NO, 1NC. 6A, 230V AC. Not suitable for TD3RCCB
- C** RCCB switch. Combined auxiliary contact (1NO, 1NC, 6A, 230V AC) + Alarm contact (1NO, 1NC, 6A, 230V AC)
- D** Shunt trip. RCCB switch (C) must be fitted before fitting the shunt trip to the TD3RCCB
- E** Undervoltage trip. RCCB switch (C) must be fitted before fitting the shunt trip to the TD3RCCB
- F** Overvoltage trip. Rated voltage, U_n , 230V AC. Opens the circuit breaker if supply voltage exceeds 280V AC. RCCB switch (C) must be fitted before fitting the shunt trip to the TD3RCCB
- G** Padlock. Suitable for TD3 M06, M10, XA (open and closed) and for TD31P1M (in open position only)
- H** Residual current block for TD3 M06 and M10
- I** Rotary handle for TD3 ICP



Din Modular Protection Selection Guide



Type B
RCCB



Miniature Circuit Breakers

Type				MCB	MCB	MCB	MCB	MCB
Model	Quantity	Unit		TD3 M06	TD3 M15	TD3 1P1M	TD3 XA	TD3 ICP
Poles (Modules)				1 (1), 2 (2), 3 (3), 4 (4)	1 (1), 2 (2), 3 (3), 4 (4)	1+N (1)	1 (1.5), 2 (3), 3 (4.5), 4 (6)	1 (1), 2 (2), 3 (3), 4 (4)
Electrical Characteristics								
Standard				IEC/EN 60898	IEC/EN 60898 IEC/EN 60947-2	IEC/EN 60898	IEC/EN 60898 IEC/EN 60947-2	UNE EN 20317
Nominal Rated Current	I_n	A		6, 10, 16, 20, 25, 32, 40, 50, 63	0.5*, 1*, 2*, 3*, 4*, 6, 10, 13**, 16, 20, 25, 32, 40, 50, 63	6, 10, 16, 20, 25, 32, 40	80, 100, 125	5, 7.5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 63
Rated Voltage	U_e	V		230/400 - 240/415	230/400 - 240/415	230/400 - 240/415	230/400 - 240/415	230/400 - 240/415
Rated Frequency		Hz		50/60	50/60	50/60	50/60	50/60
Breaking Capacity 60898-1	$I_{cn} (I_{cu})$	kA		6	10	6	10 (10)	6
Breaking Capacity 60947-2	$I_{cn} (I_{cu})$	kA		-	15 (7.5)	-	-	-
Protection								
Thermal- Magnetic Characteristic	Type			B, C	B, C, D	B, C	C, D	UNE EN 20317
Connection								
Rigid Conductor	Terminal	mm ²		25	35	16	70	25
Flexible Conductor	Size			16	25	10	35	16
Dimensions								
Per Module	HxDxW	mm		85 x 74 x 17.5	84 x 74 x 17.5	84 x 74 x 17.5	90 x 72 x 26.5	85 x 74 x 17.5

*Only for "D" type ** Only for "C" type

Residual Current Devices and Modular Switches

Type				RCCB	RCCB	RCBO	RCBO	Modular Switch									
Model	Quantity	Unit		TD3 RCCB	TD3 RCCB	TD3 RCBO	TD3 RCBO	TD3 MS									
Poles (Modules)				2 (2)	4 (4)	1+N (1)	1+N (2)	1 (1), 2 (2), 3 (3), 4 (4)									
Electrical Characteristics																	
Standard				IEC/EN 61008			IEC/EN 61008			IEC/EN 61009		IEC/EN 61009		IEC EN 60947-3			
Rated Sensitivity	$(I_{\Delta n})$	mA		30	100	300	30	100	300	30	30	300					
Nominal Rated Current	I_n	A	AC type	25, 40, 63, 100	40, 63	25, 40, 63	25, 40, 63, 80, 100	63, 100	25, 40, 63, 80, 100	6 - 40	6 - 40	6 - 40	32	63	100	125	
	I_n	A	A type	25, 40, 63	-	-	40, 100	-	-	-	-	6 - 40	-	-	-	-	
	I_n	A	S type	-	-	-	-	-	40, 100	-	-	-	-	-	-	-	
	I_n	A	Ai type	25, 40, 63	-	-	40	-	-	-	-	-	-	-	-	-	
	I_n	A	S type	-	-	40, 63	-	-	40, 100	-	-	-	-	-	-	-	
	I_n	A	B type	-	-	-	40, 63	-	-	-	-	-	-	-	-	-	
Rated Voltage	U_n	V		230/ 400 - 240/ 415			230/400 - 240/415			230 - 240		230 - 240		230/400 - 240/415			
Breaking Capacity	$I_{cn} (I_m)$			(1.5)			(1.5)			10		6		-			
Energy Withstand (EN 61008)	I^2t	kA ² s		> 22.5			> 22.5			-		-		-			
Peak Current Withstand (EN 61008)	I_{peak}	kA		> 3.3			> 3.3			-		-		-			
Short-circuit Withstand Capacity	$I_{cw} (rms)$	kA		-			-			-		-		0.48	0.94	1.2	1.5
Rated Frequency		Hz		50			50			50/60		50		50/60			
Protection																	
Thermal-Magnetic Characteristic	Type			-	-	-	-	-	-	B, C	C	-	-	-	-		
Connection																	
Rigid Conductor	Terminal	mm ²		25			25		16	25		25	50	50	50		
Flexible Conductor	Size	mm ²		16			16		10	16		16	35	35	35		
Dimensions																	
Per module	H x D x W	mm		87.5 x 71 x 17.5			87.5 x 71 x 17.5			115 x 72 x 17.5		85.4 x 72 x 17.5		83 x 72 x 17.5			