

Loadline MCCB YB1 Frame

Circuit Protection

Main Features

- Exceeds the requirements of EN 60947-2
- Single-pole MCCBs have fixed thermal and magnetic overloads
- Three-pole and four-pole MCCBs have adjustable thermal and fixed magnetic overloads
- Thermal overload adjusts to $1 \times I_n$, $0.8 \times I_n$ and $0.63 \times I_n$
- Ultimate breaking capacity is 25kA or 40kA at 415V AC
- Cable connection is via cable clamps and maximum cable termination is 70mm²
- Rated insulation voltage is 690V AC (Ui)

Current Rating (A)				
Max (A)	Min (A)	1-pole Product Code	3-pole Product Code	4-pole Product Code
Switch Disconnecter				
160	-	-	YB1B3P160DC	YB1B4P160DC
YB1 Frame MCCB Thermal / Magnetic - Icu 25kA				
16	-	YB1N1P16TC	-	-
20	-	YB1N1P20TC	-	-
25	16	YB1N1P25TC	YB1N3P25TC	YB1N4P25TC
32	20	YB1N1P32TC	YB1N3P32TC	YB1N4P32TC
40	25	YB1N1P40TC	YB1N3P40TC	YB1N4P40TC
50	32	YB1N1P50TC	-	-
63	40	YB1N1P63TC	YB1N3P63TC	YB1N4P63TC
80	50	YB1N1P80TC	YB1N3P80TC	YB1N4P80TC
100	63	YB1N1P100TC	YB1N3P100TC	YB1N4P100TC
125	80	YB1N1P125TC	YB1N3P125TC	YB1N4P125TC
160	100	-	YB1N3P160TC	YB1N4P160TC
YB1 Frame MCCB Thermal / Magnetic - Icu 40kA				
25	16	-	YB1S3P25TC	YB1S4P25TC
32	20	-	YB1S3P32TC*	YB1S4P32TC*
40	25	-	YB1S3P40TC	YB1S4P40TC
63	40	-	YB1S3P63TC	YB1S4P63TC
80	50	-	YB1S3P80TC	YB1S4P80TC
100	63	-	YB1S3P100TC	YB1S4P100TC
125	80	-	YB1S3P125TC	YB1S4P125TC
160	100	-	YB1S3P160TC	YB1S4P160TC

*Breakers are rated at 30kA breaking capacity.



Loadline MCCB YB1 Frame enclosure

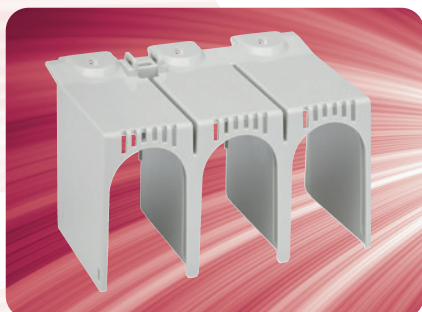
Main features

- To house YB1 MCCB up to 150A
- Meets the requirements of EN 60947-2 and EN 61439-1
- IP3X Ingress protection
- Ideal for space restricted installations
- Neutral link YB1NL available if required

Height (mm)	Width (mm)	Depth (mm)	Product Code
527.4	200	100	LLGPYB13



Circuit Protection



Loadline MCCB YB1 Frame accessories

Description	1 pole Product Code	3 pole Product Code	4 pole Product Code
Rotary Handles			
YB1 Panel mounted IP54 rotary handle for maximum 453mm panel depth (minimum 175mm)	-	YB1RH453	
Slide Interlocks			
YB1 Slide interlock (one between two MCCBs)	-	YB1MS3P	YB1MS4P
Terminal Protection			
YB1 Terminal shroud for cable lugs	YB1TS1P	YB1TS3P	YB1TS4P
YB1 Terminal cover for rear terminals	YB1TC1P	YB1TC3P	YB1TC4P
YB1 Interphase barrier (1 Off)	YB1TB	YB1TB	YB1TB
YB1 (1, 3 and 4-pole) & YB3 (3 & 4-pole) Handle lock *	YBDL1	YBDL1	YBDL1
Auxiliary and Alarm Switches			
YB Auxiliary changeover switch	YBAUX1	YBAUX1	YBAUX1
(AC 250V / 0.1A, DC 125V / 0.4A) *	YBAL	YBAL	YBAL
Shunt Trips			
YB Shunt trip 100-120V AC *	-	YBST120AC	
YB Shunt trip 200-240V AC *	-	YBST240AC	
YB Shunt trip 380-450V AC *	-	YBST450AC	
YB Shunt trip 24V DC *	-	YBST24DC	
YB Shunt trip 48V DC *	-	YBST48DC	
YB Shunt trip 100-120V DC *	-	YBST120DC	
YB Shunt trip 200-240V DC *	-	YBST240DC	
Under-voltage Release			
YB Under-voltage release 100-120V AC *	-	YBUVR120AC	
YB Under-voltage release 200-240V AC *	-	YBU-VR240AC	
YB Under-voltage release 380-450V AC *	-	YBU-VR450AC	
YB Under-voltage release 24V DC *	-	YBUVR24DC	
YB Under-voltage release 100-120V DC *	-	YBUVR120DC	

Note: Please be advised that MCCBs can be fitted with either a shunt trip or an under-voltage release device; however the MCCB cannot house both of these together.

* Common accessories for YB1 and YB3 frame MCCBs.