

Loadline MCCB YB3 Frame

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 magnetic overloads
- Thermal overload adjusts to 1 x In, 0.8 x In and 0.63 x In
- Ultimate breaking capacity available as 25kA and 40kA at 415VAC
- Maximum cable termination is 120mm² with cable clamps (optional accessory)
- Maximum cable termination is 150mm² with M8 reduced palm width cable lugs
- Standard cable termination is 95mm² using M8 lugs
- Rated insulation voltage is 800V AC (Ui)

Current Rating (A)			
Max (A)	Min (A)	3-pole Product Code	4-pole Product Code
Switch Disconnector			
250	-	YB3B3P250D	YB3B4P250D
YB1 Frame MCCB Thermal / Magnetic - Icu 25kA			
20	13	YB3N3P20T	YB3N4P20T
32	20	YB3N3P32T	YB3N4P32T
40	25	-	-
50	32	YB3N3P50T*	YB3N4P50T*
63	40	YB3N3P63T*	YB3N4P63T*
80	50	-	-
100	63	YB3N3P100T	YB3N4P100T
125	80	YB3N3P125T	YB3N4P125T
160	100	YB3N3P160T	YB3N4P160T
200	125	YB3N3P200T	YB3N4P200T
250	160	YB3N3P250T	YB3N4P250T
YA3 Frame MCCB Thermal / Magnetic - Icu 40kA			
50	32	YB3S3P50T*	YB3S4P50T*
63	40	YB3S3P63T*	YB3S4P63T*
100	63	YB3S3P100T	YB3S4P100T
125	80	YB3S3P125T	YB3S4P125T
160	100	YB3S3P160T	YB3S4P160T
200	125	YB3S3P200T	YB3S4P200T
250	160	YB3S3P250T	YB3S4P250T

* 50A and 63A YB3 Frame MCCBs have fixed magnetic overload.



Loadline MCCB YB3 Frame enclosure

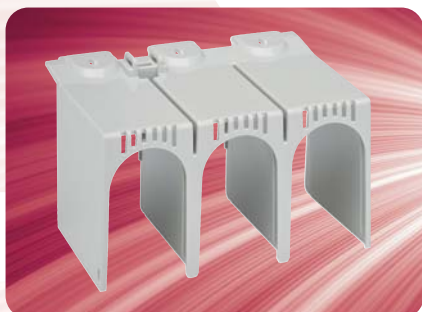
Main features

- To house YB3 MCCB up to 250A with metering facility
- Enclosure allows for DIN-rail multi-function meter and/or earth leakage device (ELR1)
- 3-in-1 and core balanced current transformers integrally housed.
- Meets the requirements of EN 60947-2 and EN 61439-1
- IP3X Ingress protection
- Height = 597mm, Width = 300mm and Depth = 115mm
- Meter mounting plate LLGPMP required for DIN-rail meter installation

Description	Product Code	Matching CT
YB3 MCCB enclosure	LLGPYB3	N/A
Meter mounting plate	LLGPMP	N/A
DIN-rail multi-function meter with pulse and Modbus	Ri3-01	M3N1-35 range
Earth Leakage Relay Device	ELR1	CBT-94F-035
Neutral Link (if required)	YA3NL	N/A



Circuit Protection



Loadline MCCB YB3 Frame accessories

Description	3 pole Product Code	4 pole Product Code
Cable Clamps		
YB3 Cable clamps (120mm ² cable)	YB3CC3P	YB3CC4P
Extension Terminals		
YB3 Flat extension terminals (Straight type)	YB3XT3P	YB3XT4P
YB3 Flat extension terminals (Spread type)	YB3XTS3P	YB3XTS4P
Rear Terminals		
YB3 Rear terminals	YB3RT3P	YB3RT4P
Motors and Interlocks		
	Standard	With Auto Reset
YB3 Motor actuator 100-110V AC	YB3MA110	YB3MA110R
YB3 Motor actuator 200-220V AC	YB3MA220	YB3MA220R
YB3 Motor actuator 230-240V AC	YB3MA240	YB3MA240R
YB3 Motor actuator 24V DC	YB3MA24DC	YB3MA24DCR
YB3 Motor actuator 48V DC	YB3MA48DC	YB3MA48DCR
YB3 Motor actuator 100-110V DC	YB3MA110DC	YB3MA110DCR
Slide Interlock		
YB3 Slide interlock for front/rear connections	YB3MS3P	YB3MS4P
Rotary Handles		
YB3 Panel mounted IP54 rotary handle for 453mm panel depth	YB3RH453	YB3RH453
Terminal Protection		
YB3 Terminal shroud for cable lugs	YB3TS3P	YB3TS4P
YB3 Terminal cover for rear terminals	YB3TC3P	YB3TC4P
YB3 Terminal shroud for cable clamps	YB3TS3PS	YB3TS4PS
YB3 Interphase barrier (Set of 1)	YB3TB	YB3TB
YB Terminal shroud cover lock *	YBTSCL	YBTSCL
YB3 Handle lock – 1 pole YB1 and 3 pole YB1 / YB3 *	YBDL1	YBDL1
Auxiliary and Alarm Switches		
YB Auxiliary changeover switch (AC 250/0.1A and DC 125V/0.4A) *	YBAUX1	YBAUX1
YB Alarm trip indicator changeover switch (AC 250/0.1A and DC 125V/0.4A) *	YBAL	YBAL
Shunt Trips		
YB Shunt trip 100-120V AC *	YBST120AC	YBST120AC
YB Shunt trip 200-240V AC *	YBST240AC	YBST240AC
YB Shunt trip 380-450V AC *	YBST450AC	YBST450AC
YB Shunt trip 24V DC *	YBST24DC	YBST24DC
YB Shunt trip 48V DC *	YBST48DC	YBST48DC
YB Shunt trip 100-120V DC *	YBST120DC	YBST120DC
YB Shunt trip 200-240V DC *	YBST240DC	YBST240DC
Under-voltage Release		
YB Under-voltage release 100-120V AC *	YBUVR120AC	YBUVR120AC
YB Under-voltage release 200-240V AC *	YBUVR240AC	YBUVR240AC
YB Under-voltage release 380-450V AC *	YBUVR450AC	YBUVR450AC
YB Under-voltage release 24V DC *	YBUVR24DC	YBUVR24DC
YB Under-voltage release 100-120V DC *	YBUVR120DC	YBUVR120DC
YB Under-voltage release 200-240V DC *	YBUVR240DC	YBUVR240DC

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.