

Enclosed MCCBs

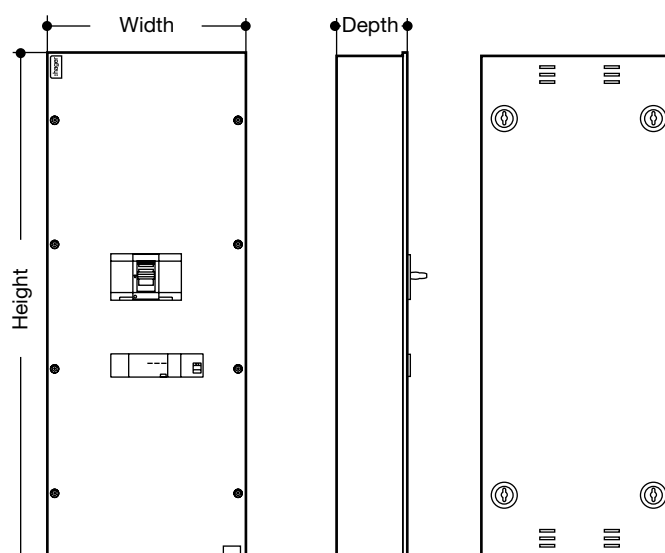
Interface Characteristics	JG44BM, JG45BM, JG46BS, JG47BS	JG48BM, JG50BS, JG49BM, JG51BS	JG36BM, JG37BM, JG40BM, JG42BS, JG41BM, JG43BS
Rated & operational voltage (U_n / U_e)	415V a.c. 50Hz	415V a.c. 50Hz	415V a.c. 50Hz
Rated insulation voltage (U_i)	690V a.c. 50Hz	690V a.c. 50Hz	690V a.c. 50Hz
Rated impulse withstand voltage (U_{imp})	6kV	6kV	6kV
Rated current of the Assembly (I_{nA})	400A	630A	JG36BM, JG37BBM -160A JG40BM, JG42BS, JG41BM, JG43BS - 250A
Rated conditional short-circuit current of the assembly (I_{cc})*	50kA	50kA	25kA
Rated peak withstand current (I_{pk})	105kA	105kA	52.5kA
Standards - Enclosed MCCB assembly	BS EN 61439-2	BS EN 61439-2	BS EN 61439-2
Standards - MCCB only	BS EN 60947-2	BS EN 60947-2	BS EN 60947-2
Rated frequency (fn)	50 Hz	50 Hz	50 Hz
Pollution degree	3	3	3
Types of system earthing for which the ASSEMBLY is designed	TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671	TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671	TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671
Intended locations	Indoor use only	Indoor use only	Indoor use only
Stationary assembly external design	Wall mounted	Wall mounted	Wall mounted
Degree of protection	IP3X with cover fitted	IP3X with cover fitted	IP3X with cover fitted
Intended use	Skilled persons only	Skilled persons only	Skilled persons only
Electromagnetic compatibility (EMC) classification	EMC Environment B	EMC Environment B	EMC Environment B
External design	Wall-mounted, surface type, enclosed assembly.	Wall-mounted, surface type, enclosed assembly.	Wall-mounted, surface type, enclosed assembly.
Mechanical impact protection	IK05	IK05	IK05
Form of separation	Form 2a	Form 2a	Form 2a
Connection of functional unit: -Incoming/outgoing circuit protection	F (fixed)	F (fixed)	F (fixed)
Incoming Line Terminal(s)	M10 Bolt	M12 Bolt	M8 Socket Cap Screw
Incoming Neutral Terminal	M10 Bolt	M10 Bolt	JG37BM, JG41BM, JG43BS - M8 Socket Cap Screw JG36BM, JG40BM, JG42BS - M10 Bolt
Enclosure Earth Stud	M10	M12	M8

Enclosed MCCB (63A - 125A)

Characteristics

Series	JG25BM, JG26BM, JG27BM, JG27BR, JG28BM, JG29BM, JG30BM, JG31BM, JG32BM, JG33BM, JG30BR, JG34BS, JG35BS
MCCB	63A to 125A MCCB
MCCB + RCCB Add on block	63A & 100A
Voltage rating in AC	240 / 415 V
IP Protection	IP3X
Enclosure body type	Steel
Enclosure paint type	Powder coat Grey white BS 4800 00A01
Terminal Connection capacity	
Maximum terminal capacity	95mm ²
Enclosure earth stud	M8
Installation	
Mounting	Wall

JG37BR, JG38BR	JG45BR
415V a.c. 50Hz	415V a.c. 50Hz
690V a.c. 50Hz	690V a.c. 50Hz
6kV	6kV
JG37BR - 160A JG38BR - 200A	375A
25kA	50kA
52.5kA	105kA
BS EN 61439-2	BS EN 61439-2
BS EN 60947-2	BS EN 60947-2
50 Hz	50 Hz
3	3
TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671	TNC-S, TN-S and TT when installed in an electrical system conforming to BS 7671
Indoor use only	Indoor use only
Wall mounted	Wall mounted
IP3X with cover fitted	IP3X with cover fitted
Skilled persons only	Skilled persons only
EMC Environment B	EMC Environment B
Wall-mounted, surface type, enclosed assembly.	Wall-mounted, surface type, enclosed assembly.
IK05	IK05
Form 2a	Form 2a
F (fixed)	F (fixed)
M8 Socket Cap Screw	M10 Bolt
M8 Socket Cap Screw	M10 Bolt
M8	M10



	Dimensions (mm)			
	Height	Depth	Width	Weight
JG25BM	420	106	200	-
JG26BM	420	106	200	-
JG27BM	420	106	200	-
JG27BR	420	106	300	-
JG28BM	420	106	200	-
JG29BM	420	106	200	-
JG30BM	420	106	200	-
JG31BM	420	106	200	-
JG32BM	420	106	200	-
JG33BM	420	106	200	-
JG30BR	420	106	300	-
JG34BS	420	106	200	-
JG35BS	420	106	200	-
JG44BM	900	151	400	21.9
JG46BS	900	151	400	21.9
JG45BM	900	151	400	23.2
JG47BS	900	151	400	23.2
JG48BM	1130	153	500	29.6
JG50BS	1130	153	500	29.6
JG49BM	1130	153	500	32.1
JG51BS	1130	153	500	32.1
JG36BM	660	135	260	10.5
JG37BM	660	135	260	10.5
JG40BM	660	135	260	10.5
JG42BS	660	135	260	10.5
JG41BM	660	135	260	10.5
JG43BS	660	135	260	10.5
JG37BR	865	120	260	11.5
JG38BR	865	120	260	11.5
JG45BR	1019	151	400	21.9

Torque settings

M8	13Nm
M10	22Nm
M12	45-65Nm