



Ratings and Specifications

TemBreak

Standard Series

Ampere Frame	50	125	125	125	125	160	250	250
Type	XS50NB	XS125CS	XS125NS	XS125CJ	XS125NJ	XS160NJ	XS250NJ	XS250PJ
Number of poles	2 3	1	1	3 4	3 4	3 4	3 4	3 4
RATED CURRENT (A). [In]	*			NRC ASR	NRC ASR	NRC ASR	NRC ASR	NRC ASR
Calibrated at 45°C				min. max.	min. max.	min. max.	min. max.	min. max.
(* : Calibrated at 40°C)	10 30 15 40 20 50	16 40 100 20 50 125 25 63 32 80	16 40 100 20 50 125 25 63 32 80	20 12.5 20 32 20 32 50 32 50 63 40 63 100 63 100 125 80 125	20 12.5 20 32 20 32 50 32 50 63 40 63 100 63 100 125 80 125	160 100 160	160 100 160 250 160 250	160 100 160 250 160 250
RATED IMPULSE WITHSTAND VOLTAGE Uimp [kV]	6	8	8	8	8	8	8	8
AC RATED INSULATION VOLTAGE [Ui]	660	690	690	690	690	690	690	690
AC RATED BREAKING CAPACITY sym. r.m.s. [kA]								
IEC 947-2 [Icu]	690V	—	—	—	5/2.5	8/4	8/4	8/4
BS EN 60947-2 [Icu]	500V	7.5/3.8	—	—	7.5/3.8	12/6	22/11	22/11
CEI EN 60947-2 [Icu]	440V	10/5	10/5 (3)	22/11 (3)	10/5	22/11	25/13	25/13
	415V	10/5	14/7 (3)	25/13 (3)	14/7	25/13	25/13	35/18
	400V	15/7.5	18/9 (3)	30/15 (3)	18/9	30/15	35/18	35/18
	380V	15/7.5	18/9 (3)	30/15 (3)	18/9	30/15	35/18	35/18
	240V	25/13	14/7	25/13	25/13	50/25	50/25	50/25
NEMA AB-1	600V	—	—	—	12	22	22	22
	480V	—	—	—	10	22	25	25
	240V	25	14 (14)	25 (15)	25	50	50	50
Without Inst.	240-690V	—	—	—	—	—	—	—
DC RATED BREAKING CAPACITY [kA] (1)	250V	7.5	—	—	10	15	40	40
	125V	15	10	15	15	20	40	40
RATED SHORT TIME CURRENT r.m.s. [kA] [Icw]		—	—	—	—	—	—	—
UTILIZATION CATEGORY	A	A	A	A	A	A	A	A
OUTLINE DIMENSIONS (mm)								
	w 50 75 h 130 d1 68 d2 87	30 155 86 104	30 155 86 104	90 120 155 86 104	90 120 155 86 104	105 140 165 86 107	105 140 165 86 107	105 140 165 103 124
Weight (kg) (2) marked standard type	0.48 0.74	0.51	0.51	1.30 1.58	1.30 1.58	1.85 2.4	1.85 2.4	2.1 2.6
CONNECTIONS AND MOUNTINGS								
Front connected (FC)	Terminal screw (FCS) Attached flat bar (BAR) Solderless terminal (PWC)	(3)	(3)	(3)	(3)	(3)	(3) (BAR)	(3) (BAR)
Rear connected (RC)	Bolt stud (REB) Flat bar stud (REF)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Plug-in (PM)	For switchboard (PRC/PMB) For distribution board	(3)	(3)	(3)	(3) —	(3)	(3)	(3)
Draw-out (DO)		—	—	—	—	—	—	(3)
STANDARD FEATURES								
ON-OFF colour indication		•	•	•	•	•	•	•
Trip button		•	•	•	•	•	•	•
PROTECTIVE FUNCTIONS								
Electronic type								
Adjustable LTD, STD & INST.		—	—	—	—	—	—	—
Adjustable GFT or Adjustable PTA (option)		—	—	—	—	—	—	—
Trip Indicators (option)		—	—	—	—	—	—	—
Thermal-magnetic type								
Thermal and fixed magnetic trips		•	•	•	•	•	•	•
Thermal and adjustable magnetic trips		—	—	—	—	—	—	—
Adjustable thermal and fixed magnetic trips		—	—	—	•	•	•	•
Adjustable thermal and magnetic trips		—	—	—	—	—	—	—
ACCESSORIES (option)	CODE							
Internally mounted	Auxiliary switch AX,AXE	•(AXE)	—	—	•(AXE)	•(AXE)	•(AXE)	•(AXE)
	Alarm switch AL,ALE	•(ALE)	—	—	•(ALE)	•(ALE)	•(ALE)	•(ALE)
	Shunt trip (3)	SHT	•	•	•	•	•	•
	Undervoltage trip	UVT	•	•	•	•	•	•
Externally mounted	Motor operator MOT	—	•	—	•	•	•	•
	Handle Panel mounted type	OHE	•	•	•	•	•	•
	operating Breaker mounted type	OHJ	—	•	•	•	•	•
	mechanism Variable depth type	OHH	—	•	•	•	•	•
	Handle extension	EHA	—	—	—	—	—	—
	Mechanical Front type	MIF	—	•	•	•	•	•
	interlock Rear type	MIB	—	•	•	•	•	•
	Handle holder	HH	•	•	•	•	•	•
	Handle lock	HL	•	•	•	•	•	•
	Terminal Front conn. type	TCF	•	•	•	•	•	•
	cover Rear conn./ plug-in type	TCR	•	—	•	•	•	•
	Interpole barrier	TBA	•	—	• (12)	• (12)	• (12)	• (12)
	Accessory lead terminal (2)	LTF	—	—	—	—	—	—
	(3)	LTS	•	•	•	•	•	•
	Door flange	D.F	•	•	•	•	•	•
	IP20 Protection (Plug-in type)	IP20	•	—	•	•	•	•

Notes:

- NRC : Nominal Rated Current
- ASR : Adjustable Setting Range
- (3) : Standard. This configuration is used unless otherwise specified.
- (O) : Optional. Specify when ordering.
- (•) : Yes or available.
- (—) : No or not available.
- (1) : DC rating available on request.
- (2) : Comes with conductor pressing terminal.

- (3) : For AC UVT, a UVT controller is mounted externally.
- (1) : Applicable to the rear-connected type only.
- (12) : Line side interpole barriers are supplied as standard.
- (3) : Value at 1/√3 times stated voltage.
- (14) : 10 kA at 277V.
- (15) : 22kA at 277V.
- (16) : Available on request, contact Terasaki for details.
- (22) : Draw-out leads, horizontally.
- (23) : Draw-out leads, vertically.