TECHNICAL NEWS

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[Title] Addition of a note for Rated short time withstand current (Icw)

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[Relevant Models] Air Circuit Breakers World Super series <AE4000-SW. AE5000-SW. AE6300-SW>

We add a note of caution about Rated short time withstand current (Icw) in the Mitsubishi low voltage air circuit breaker catalog "Y-0622" and the low voltage circuit breaker general catalog "Y-0720" as follows.

We are terribly sorry to cause you incovenience by this.

1.Relevant models

AE4000-SW, AE5000-SW, AE6300-SW (3P,4P)

2.Detail of the note added

Add the note in specification tabale as "For 600 ~ 690V AC, Icw at 1s is 85kA".

3.Place of the note (In the case of Y-0622K, page 11-12).

Pro	<u> </u>	ict i	Spec	IIICa	llion											SÚP	
Spec	ificatio			AE630-SW	AE1000-SW		AE1600-SW			AE2000-SWA	AE2000-SW	AE2500-SW					AE6300-S1
Frame size		Туре	(A)	AE630-SW	AE1000-SW	AE1250-SW 1250	AE1600-SW			2000-SWA	2000-SW	2500-SW	AE3200-SW	AE4000-SWA	AE4000-SW	AE5000-SW	AE6300-S1
Rated insulation	on voltage (Ui)		(50/60Hz)(AC.V)			1000					1000				1000		
Rated operational voltage (Ue) (50/60Hz)(AC.V)					690					690				690			
Rated impulse		age (Uimp)	(kV)		12						12 B				12 B		
Utilization cate Pollution degre						B 3							3			3	
EMC environment condition (environment A or B) (Note 15)					A .						A				A		
Number of poles				3, 4							3, 4				3, 4 (HN, FN) (Note 7)		
Rated current	Rated current in (CT rating)			630 (Note 5)	1000	1250	1600			2000	2000 (Note 5)	2500	3200	4000	4000	5000	6300
Current entting Ir (A) (40°C)		(Current rating adjustable 0.5 to 1.0 x In 0.05 step		315-346.5-378-409.5- 441-472.5-504-536.5- 567-598.5-630 (Note 5)	500-550-600-650- 700-750-800-850- 900-950-1000	625-687.5-750-812.5- 875-937.5-1000-1062.5- 1125-1187.5-1250	800-880-960-1040- 1120-1200-1280-1360- 1440-1520-1600			1000-1100-1200-1300- 1400-1500-1600-1700- 1800-1900-2000	1000-1100-1200-1300- 1400-1500-1600-1700- 1800-1900-2000 (Note 5	1250-1375-1500-1625- 1750-1875-2000-2125- 2250-2375-2500	1600-1760-1920-2080- 2240-2400-2560-2720- 2880-3040-3200		2000-2200-2400-2600- 2800-3000-3200-3400- 3600-3800-4000	2500-2750-3000-3250 3500-3750-4000-4250 4500-4750-5000	
		Generate (Current rat	or protection use ting fixed) (Note 10)	160 ≤ lr ≤ 630	400 ≤ lr ≤ 1000	800 ≤ lr ≤ 1250	1000 ≤ lr ≤ 1600			1250 s lr s 2000	800 s lr s 2000	1600 s lr s 2500	2000 s lr s 3200	2500 s lr s 4000	2500 s lr s 4000	3150 s lr s 5000	4000 s lr s 63
Rated current	of neutral pole		(A)	630	1000	1250	1600			2000	2000	2500	3200	4000	2000 (4000) (Note 8	2500 (5000) (Note 8	3150 (6300) (No
	Ultimate bre	aking capacity	690V AC			65 65							75 75			85 85	
	Icu (kA rms)	,,,	240-500V AC			65			_				75 35			85 130 (Note 9)	
			690V AC	65							75			85			
		with MCR	600V AC	65									75		85		
			240-500V AC 690V AC			65 25 (Note 1)					75 45 (Note 1)			100 65 (Note 1)			
IEC60947-2		Bare + External relay	500V AC	25 (Note 1) 25 (Note 1)					_				lote 1)		65 (Note 1) 65 (Note 1)		
EN60947-2	Rated service	ice breaking capacity Ics (kA rms) %Icu		100%								10			100%		
JIS C 8201-2-1	Rated making capacity		690V AC	143									65		187		
			600V AC 240-500V AC	143 143									65 87		187		
			240-500V AC 690V AC			143							87 65		187		
		with MCR	600V AC	143									65		187		
			240-500V AC	143							165			220			
		Bare or Bare + External relay	690V AC	52.5							94.5			143			
		15		52.5 85							94.5 75			143 100 (Note 14)			
Rated short tin low (kA rms)	ne withstand co	current 2s		60							75			85			
		36		50							65				85		
Maximum total			(ms)			40 (Note 6) 80						40 (N				50 (Note 6) 90	
Maximum clos Number of ope		With rated 500V AC In		5,000						1,500	1,500 1,000			500	1,000		
cycles		current	690V AC In		5,	5,000				1,500	1,500		1,000	500	1,000		
	(Note 2)	Without rated current		25,000 (Note 4)							20,000 (Note 4)				10,000 (3P) / 5,000 (4P)		
Connecting ter	minal	Horizontal terminal Vertical terminal		0					⊢—	(Note 3)	-	0		(Note 3)	(Note 3)		
	(Note 11)	Front terminal				0			_	- (1000 0)		- 0		- (1000 3)	-		
Outline dimens	sion (mm)	Fixed type	3-pole	410×340×290							410×475×290				414×874×290		
HxWxD		Drawout type	4-pole	410×425×290 430×300×375								410×6 430×435×375	05×290	430×439×375	414	×1004(1134)×290 (N 480×889×375	lote 8)
		Drawout type	3-pole 4-pole	430×300×375 430×385×375								430×435×375 430×565×375		430×439×375 430×569×375	490	480x889x375 x1019(1149)x375 (N	lote 8)
Weight (kg)		Fixed type	3-pole	35		430X365X375	35			44	51	52	54	73	141	141	148
(without Acces	sory)		4-pole	42	42	43	43			54	64	64	67	92	159 (179)	159 (179)	166 (188)
		Drawout type	3-pole 4-pole	56		56	56			62	81	81	85	101	194	194	208
		(including cradle Cradle only	3-pole	70		70 24	70			75 27	101	101	106 34	127 46	223 (247)	223 (247)	238 (269)
(Note 13)		,	4-pole			28			1	32		10	42	58	113 (127)	113 (127)	121 (138)
Marine approv			3-pole		○ (LR	, BV, DNV GL, ABS, N	K, CCS)						L, ABS, NK, CCS)			IK, LR, DNV GL, BV	ABS)
(Note 1) This is the loc value are from the ordinary of the external relayer combined. (Note 2) The number of operating cycles with critical relayers of operating cycles with stand current. (Note 2) The number of operating cycles without stand control to produce the control of operating cycles with stand current. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation. (Note 3) The value of the value of the control operation. (Note 3) The value of the control operation is not control operation. (Note 3) The value of the control operation is not control operation.									(Riske) That value means the minuteneous branking the seal distribution if terroriginor. As for a recensoring (BILL, MT) and the page 11 and 14. (Riske) 7. 4949 means the mailtip place somet reports in 196. of the risked current, for 4 points. (Riske) 7. 4949 means the mailtip place somet reports in 196. of the risked current, for 4 points. (Riske) 8. 196. of the risked current place in 196. of the risked current, for 4 points. (Riske) 9. Meren approval whose is 1018A. (Riske) 9. Meren approval whose is 1018A. (Riske) 196. of the risked current place is 196. of								

(Note 11) As for selectable connection, please refer to page 13.

(Note 12) AE4000-SW ~ AE6300-SW don't apply to CCS marine approval.

(Note 13) These weights include an electronic relay, but don't include other accessories.

(Note 14) For 600 ~ 690V AC, Icw at 1s is 85kA.