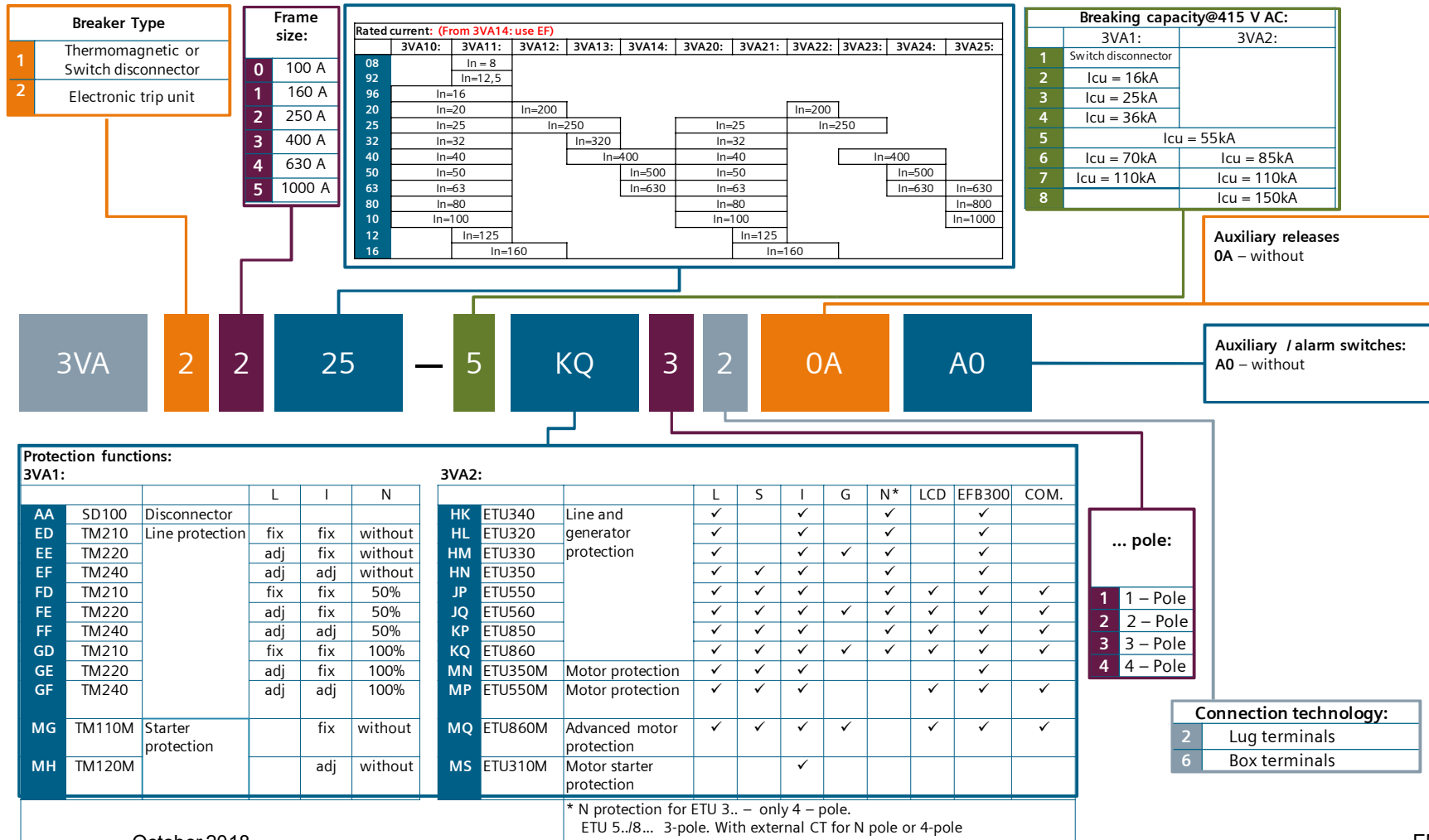


# 3VA – IEC molded case circuit breaker MLFB structure



# 3VA – UL molded case circuit breaker MLFB structure



**Breaker Type**

5	Thermomagnetic or Switch disconnecter
6	Electronic trip unit

**Frame size: verwendb**

1	125 A
2	150 A
2	250 A
3	400 A
4	600 A

**Rated current:**

	3VA51	3VA52	3VA53	3VA54	3VA61	3VA62	3VA63	3VA64
95	In = 15							
20	In = 20						In = 200	
22	--							
25	In = 25		In = 200					
30	In = 30		In = 250		In = 25		In = 250	
35	In = 35		In = 300		In = 30			
40			In = 350				In = 400	
40	In = 40		In = 400			In = 40		In = 400
45	In = 45			In = 450				
50	In = 50			In = 500	In = 50			In = 500
60	In = 60			In = 600				In = 600
70	In = 70				In = 70			
80	In = 80				In = 80			
90	In = 90				In = 90			
10	In = 100					In = 100		
11	In = 110					In = 110		
12	In = 125							
15		In = 150				In = 150		
17		In = 175						
20		In = 200				In = 200		
22		In = 225				In = 225		
25		In = 250				In = 250		

**Breaking capacity @ 480 V AC:**

	3VA5	3VM6
0	65kA	
1	100kA	100kA
4	25kA	
5	35kA	35kA
6	65kA	65kA
7	100kA	100kA
8		150kA

**Special Applications**

- 0 – standard
- 1 – 50° C / Naval use (UL489 Sup.SB)
- 2 – 100% rated breaker

**Auxiliary releases**

0A – without

**Auxiliary / alarm switches:**

A0 – without

**Connection technology:**

1	without terminals
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**3VA** **6** **2** **25** **5** **KQ** **3** **1** **0** **A** **A0**

**Protection functions:**

3VA5:		L	I	N
BB	MCS110	--	fix	without
ED	TM210	fix	fix	without
EC	TM230	fix	adj	without
EF	TM240	adj	adj	without
GC	TM230	fix	adj	100%
GF	TM240	adj	adj	100%
MH	TM120M	--	adj	without
MU	TM120M	--	adj	without

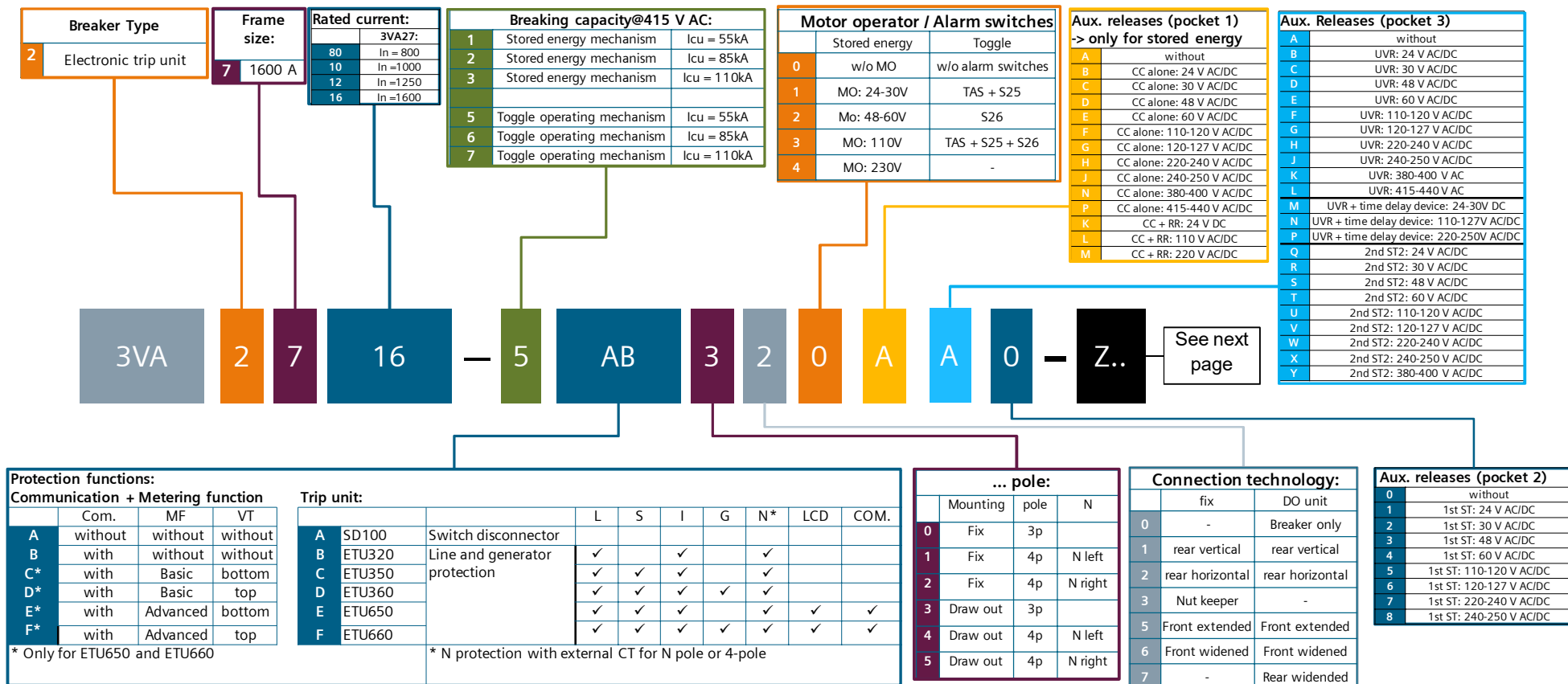
VA6:		L	S	I	G	N*	LCD	EFB300	MMB300	COM.
BB	MCS110			✓				✓	✓	
HL	ETU320	✓		✓		✓		✓	✓	
HM	ETU330	✓		✓	✓	✓		✓	✓	
HN	ETU350	✓	✓	✓		✓		✓	✓	
JP	ETU550	✓	✓	✓		✓	✓	✓	✓	✓
JT	ETU556	✓	✓	✓	✓**	✓	✓	✓	✓	✓
JQ	ETU560	✓	✓	✓	✓	✓	✓	✓	✓	✓
KL	ETU820	✓		✓		✓	✓	✓	✓	✓
KM	ETU830	✓		✓	✓	✓	✓	✓	✓	✓
KP	ETU850	✓	✓	✓	✓	✓	✓	✓	✓	✓
KT	ETU856	✓	✓	✓	✓**	✓	✓	✓	✓	✓
KQ	ETU860	✓	✓	✓	✓	✓	✓	✓	✓	✓
MS	ETU310M			✓				✓	✓	

\* N protection for ETU 3... – only 4 – pole.  
ETU 5..8... 3-pole. With external CT for N pole or 4-pole  
\*\* Alarm only

**... pole:**

1	1 – Pole
2	2 – Pole
3	3 – Pole
4	4 – Pole
5	1(2) – Pole (1p in 2p frame)
6	2(3) – Pole (2p in 3p frame)

# 3VA27 – IEC molded case circuit breaker MLFB structure



# 3VA27 – IEC molded case circuit breaker MLFB structure – Z-Options



Z-Options:			Z-Options:		
A07	CB fixation feet - standard	floor-mounting	K50	Ready to close signaling switch	RTC, S20, digital signal; 24 V DC
A61	Special package	special humidity protection	K51	Auxiliary Switch AUX 4CO	digital signals; 24 V DC
B04	Rating plug	400 A	K52	Auxiliary Switch AUX 2CO + 2CO	2x standard 400V AC + 2x digital 24V DC
B06	Rating plug	600 A	K53	Trip signaling switch S24	digital signals; 24 V DC
B08	Rating plug	800 A	K54	Stored energy status	signaling switch, S21 Spring charged digital 24V DC
B10	Rating plug	1000 A	K55	Position Signaling Switch PSS	for guide frame, digital signals; 24 V DC
B12	Rating plug	1250 A	K56	Digital I/O module IOM040	
C01	Mechanical operating cycles	counter MOC	K57	Trip signaling switch TAS	indication for toggle mechanism, digital signals; 24 V DC
L04	Rating plug L-OFF	400 A	K58	Trip signaling switch S25	Indication of trip event, digital signals; 24 V DC
L06	Rating plug L-OFF	600 A	R65	Locking device against movement	of withdraw. circuit breaker, padlock
L08	Rating plug L-OFF	800 A	R78	Locking device against movement	of withdraw. circuit breaker, Ronis
L10	Rating plug L-OFF	1000 A	R79	Locking device against movement	of withdraw. circuit breaker, in discon.pos.,
L12	Rating plug L-OFF	1250 A	S07	Locking device, OFF-pos,	for padlock, 2 x D=8mm, metal; in the operating panel
L16	Rating plug L-OFF	1600 A	S08	Locking device, OFF-pos,	Ronis; in the operating panel
G04	Rating plug Rc	400 A	S22	Locking device, OFF-pos,	for padlock, 3 x D=4mm, plastic; in the operating panel
G06	Rating plug Rc	600 A	S23	Locking device ,OFF-pos,	for padlock, 1 x D=7mm, metal; in the operating panel
G08	Rating plug Rc	800 A	S41	Protective cover for mech. ON/OFF	against unintended actuation; on the operating panel
G12	Rating plug Rc	1250 A	S42	Padlockable protective cover	for mechanical ON or OFF; or both, 3 x D=4mm, plastic; on the operating panel
F02*	Communication module	COM040 - PROFIBUS Gateway	S43	Padlockable protective cover	for mechanical ON or OFF; or both, 1 x D=7mm, metal; on the operating panel
F03*	Communication module	COM041 - PROFINET Gateway	S44	Padlockable protective cover	for mechanical ON or OFF; or both, 2 x 8 D=8mm, metal; on the operating panel
F11	Communication module	COM043 - Modbus TCP Gateway	S56	CB fixation feet - extended	w. mech. CB-status transmission; for fixed breaker, floor-mounting
F12	Communication module	COM042 - Modbus RTU Gateway	S57	CB side-shoulders kit -extended	w. mech. CB-status transmission; for fixed breaker, rear-mount., on mounting plate
F13*	Communication module	COM044 - IEC61850 Gateway	T30	IP30 door sealing frame	for fixed breaker version / for withdraw. breaker version
F26	Breaker Connect module	external power supply 110-240V AC/DC			

\* Start of delivery scheduled for 4th quarter 2019