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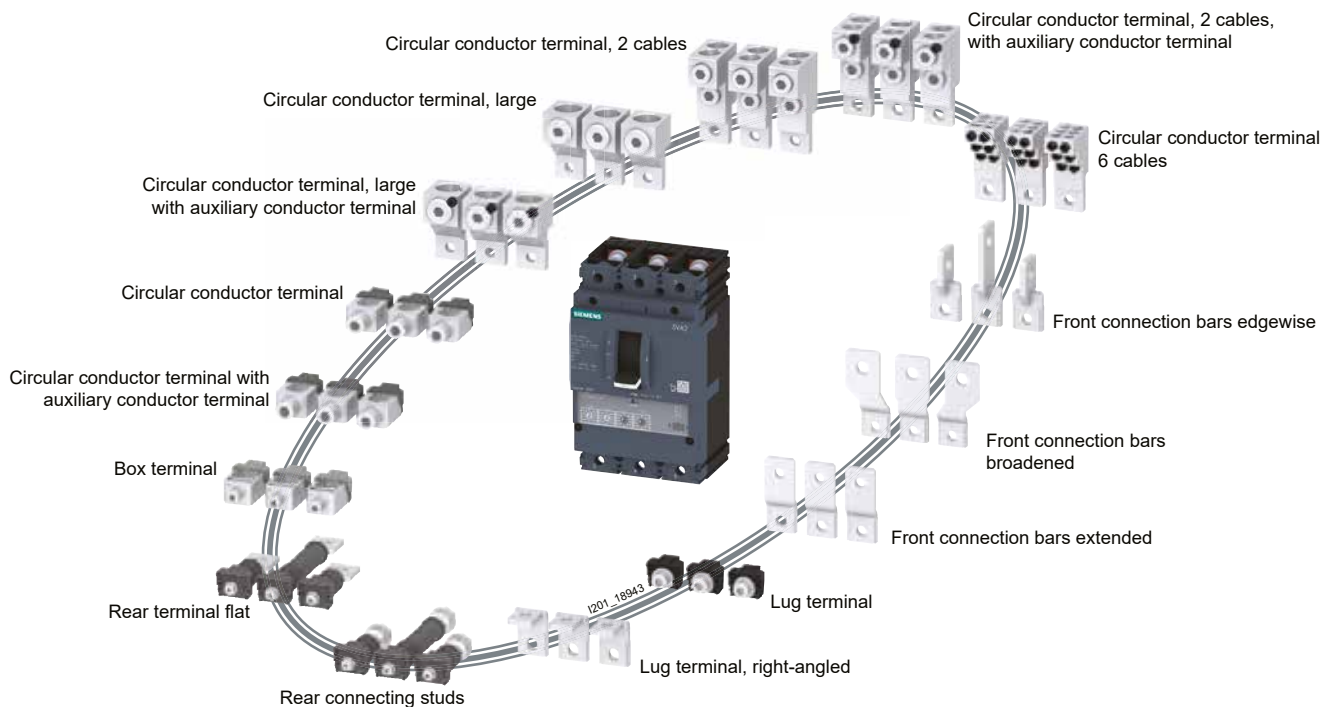
Siemens IEC Molded Case Circuit Breaker Product Offering

A solutions oriented project family

- 100 – 630 Amp 3VA Line
- TM and ETU (LCD) available
- High end ETU capable of power metering
- Line, generator, motor, starter protection
- Molded case switches available
- Available in 1, 2, 3 or 4 pole offerings
- Compact dimensions with function expansions
- Fully integrated system



Illuminated handles: The 3VA manual operators include illuminated handles for operations in dim lit areas



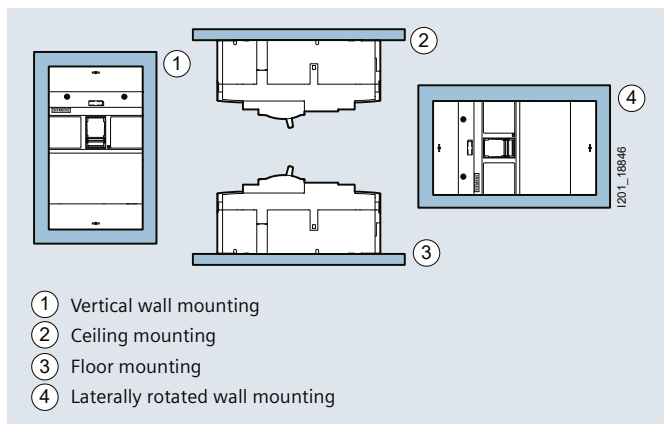
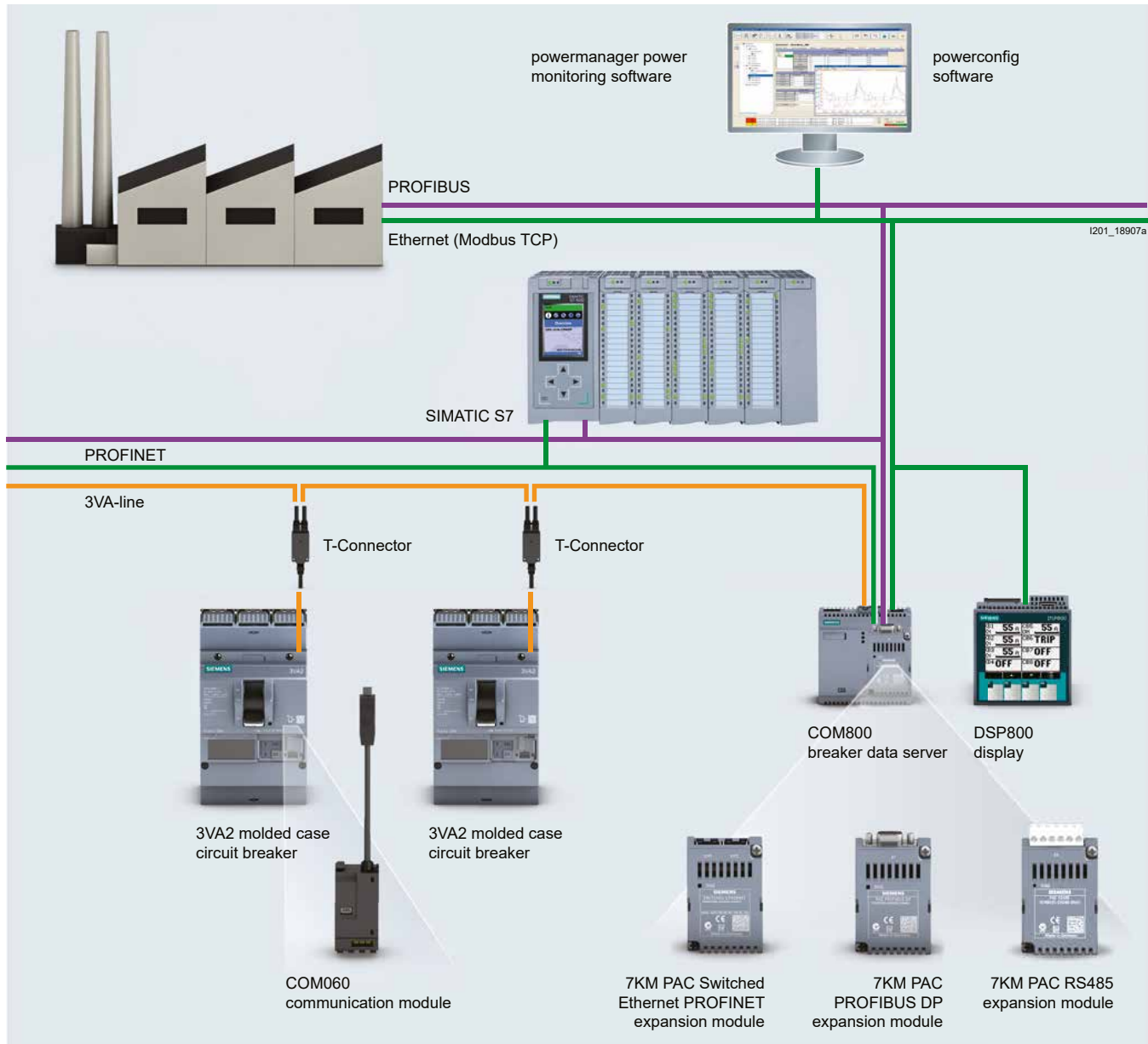
Modularity To Support Your Application Needs

- 800 – 1600 Amp 3VL Line
- ETU (LCD) available
- Line and motor starter protection
- Molded case switches available
- Available in 3 or 4 pole offerings
- Compact dimensions with function expansions
- Fully integrated system
- Common field-installable internal accessories from 800-1600 A
- Max-Flex® cable operators
- Field installable Residual Current Device
- A variety of connection accessories, phase barriers, and terminal covers
- Standards and Specifications:
 - IEC 60947-1, -2 EN 60947-1, -2
 - DIN VDE 0660 Part 100 & 101
 - American Bureau of Shipping (ABS)



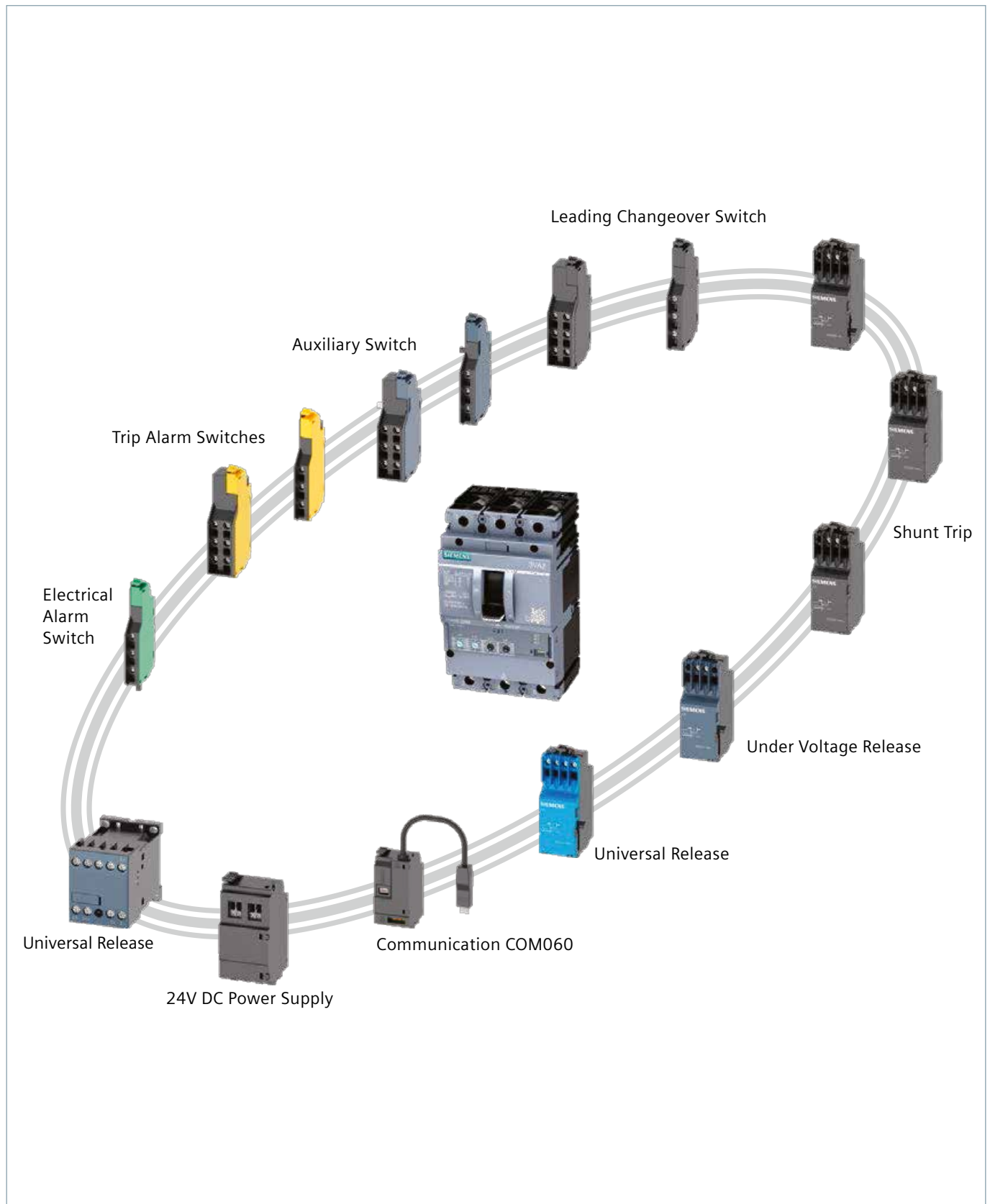
Backed by Siemens Innovation and Technology

Communications: COM800 communications unit has the ability to manage communication on 8 individual breakers.
 Focus on metering capabilities: eliminate external metering with integrated metering unit (ETU 8 series).



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Common internal accessories from 100-630 A



Product Offering



Type	3VA10	3VA11			3VA12	3VA20
Number of Poles	3, 4	1	2	3, 4	3, 4	3, 4
Electrical Characteristics (IEC)						
Size	100 A	160 A	160 A	160 A	250 A	100 A
Rated Operational Current In at 50 C	16 ... 100	16...160	16...160	16...160	160 ... 250	25... 100
Rated Operational Voltage Ue AC 50/60Hz	690	240	415	690	690	690
Rated Insulation Voltage	800	500	500	800	800	800
Rated Impulse Withstand Voltage Uimp	8	8	8	8	8	8
Frequency	0...400	0...400	0...400	0...400	0...400	50...60
Breaking Capacity						
Icu						
240 V AC	55	36	55	100	100	200
415 V AC	36	6	36	70	70	150
690 V AC	7	-	-	10	10	24
125 V DC	-	25	25	-	-	-
250 V DC	55	-	55	100	100	-
500 V DC	55	-	-	100	100	-
600 V DC	25	-	-	55	55	-
Ics						
240 V AC	55	36	55	100	100	200
415 V AC	36	6	36	70	70	150
690 V AC	5	-	-	5	5	18
125 V DC	-	25	25	-	-	-
250 V DC	55	-	55	100	100	-
500 V DC	55	-	-	100	100	-
600 V DC	25	-	-	55	55	-
Trip Units						
Thermal Magnetic	x	x	x	x	x	
Molded Case Switch						
ETU LI						x
ETU LIG						x
ETU LSI						x
Dimensions						
Width (mm)	76.2 (3p) / 101.6 (4p)	25.4	50.8	76.2(3p) / 101.6 (4p)	105(3p) / 140 (4p)	105(3p) / 140(4p)
Height (mm)	130	130	130	130	130	181
Depth (mm)	70	70	70	70	70	86
Accessories						
Internal Accessories and Modifications	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch
	Trip Alarm Switch	Trip Alarm Switch	Trip Alarm Switch	Trip Alarm Switch	Trip Alarm Switch	Leading Changeover Switch
	Shunt trip flexible	Shunt trip flexible	Shunt trip flexible	Shunt trip flexible	Shunt trip flexible	Trip Alarm Switch
	Shunt trip left	Shunt trip left	Shunt trip left	Shunt trip left	Shunt trip left	Electrical Alarm Switch
	Residual current release	Undervoltage Release	Undervoltage Release	Undervoltage Release	Undervoltage Release	Shunt Trip Flexible
	Undervoltage release	Universal Release	Universal Release	Universal Release	Universal Release	Shunt Trip Left
	Universal release			Leading Changeover Switch	Leading Changeover Switch	Undervoltage Release
	Cylinder Lock			Short Circuit Alarm Switch	Short Circuit Alarm Switch	Universal Release
				Cylinder Lock	Cylinder Lock	Breaker Data Server Communication Module
						24 V Module
					Cylinder Lock	



3VA21	3VA22	3VA23	3VA24	VL800/3VL6	VL1250/3VL7	VL1600/3VL8
3, 4	3, 4	3, 4	3, 4	3, 4	3, 4	3, 4
160 A	250 A	400 A	630 A	800 A	1250 A	1600 A
25...160	160...250	250...400	400...630	800	1000...1250	1600 A
690	690	690	690	690	690	690
800	800	800	800			
8	8	8	8			
50...60	50...60	50 ... 60	50... 60			
200	200	150	150	200	200	200
150	150	110	110	100	100	100
24	24	5	6	20	35	35
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
200	200	150	150	150	100	100
150	150	110	110	75	50	50
18	18	5	6	10	17	17
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
				x	x	x
x	x	x	x	x	x	x
x	x	x	x	x	x	x
x	x	x	x			
105(3p) / 140 (4p)	105(3p) / 140 (4p)	138(3p) / 184 (4p)	138(3p) / 184 (4p)	190(3p) / 253 (4p)	229(3p) / 305 (4p)	229(3p) / 305 (4p)
181	181	248	248	406	406	406
86	86	110	110	114	152	152
Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch	Auxiliary Switch
Leanding Changeover Switch	Leanding Changeover Switch	Leanding Changeover Switch	Leanding Changeover Switch	Alarm Switch	Alarm Switch	Alarm Switch
Trip Alarm Switch	Trip Alarm Switch	Trip Alarm Switch	Trip Alarm Switch	Shunt Trip	Shunt Trip	Shunt Trip
Electrical Alarm Switch	Electrical Alarm Switch	Electrical Alarm Switch	Electrical Alarm Switch	Undervoltage Release	Undervoltage Release	Uneervoltage Release
Shunt Trip Flexible	Shunt Trip Flexible	Shunt Trip Flexible	Shunt Trip Flexible	Mechanical Interlock	Mechanical Interlock	Mechanical Interlock
Shunt Trip Left	Shunt Trip Left	Shunt Trip Left	Shunt Trip Left	Electric Motor Operator	Electric Motor Operator	Electric Motor Operator
Undervoltage Release	Undervoltage Release	Undervoltage Release	Undervoltage Release	Plug in Mounted Assembly	Plug in Mounted Assembly	Rear Connected Studs
Universal Release	Universal Release	Universal Release	Universal Release	Draw Out Assembly	Draw Out Assembly	Handle Mechanisms
Breaker Data Server Communication Module	Breaker Data Server Communication Module	Breaker Data Server Communication Module	Breaker Data Server Communication Module	Handle Mechanisms	Handle Mechanisms	
24 V Module	24 V Module	24 V Module	24 V Module	Rear Connecting Studs	Rear Connecting Studs	
Cyliner Lock	Cyliner Lock	Cyliner Lock	Cyliner Lock			



Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092

1-800-241-4453
info.us@siemens.com

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