SIEMENS

Data sheet 3LD3140-0TK13



Load disconnector 3LD3, lu 25 A Main switch 3-pole Rated operating capacity at AC-23 A at 400V 9.0kW floor mounting Basic switch with door coupling Central hole mounting 22.5mm Toggle drive red / yellow 48x48 mm

product brand name product designation design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of the actuating element design of the actuating element design of handle type of switch design of handle whose-operated mechanism, red/yellow type of the driving mechanism / motor drive No Ceneral technical data number of poles number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) at AC-23 A / at 690 V operating frequency / maximum degree of pollution Voltage insulation voltage resistance / rated value operating voltage at AC / rated value operating frequency / rated value innimimum at AC / rated value operating frequency / rated value innimimum fool tz red of No OBO V operating frequency / rated value innimimum fool tz red of No Dissipation Dissipation at 40 °C / rated value 25 A operational current at 40 °C / rated value operational current at 40 °C / rated value 25 A operational current at 40 °C / rated value 25 A	Model		
design of the product display version / for switch position indicator manual operation type of switch design of the actuating element design of the actuating element design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive Ceneral technical data number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 voltage insulation voltage / rated value operating voltage • at AC / rated value • minimum • maximum 60 Hz Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Curront • at 40 °C / rated value • at 40 °C / rated value • at 40 °C / rated value • 25 A	product brand name	SENTRON	
display version / for switch position indicator manual operation type of switch design of the actuating element color / of the actuating element type of switch filoor mounting with door coupling selector switch color / of the actuating element ted knob-operated mechanism, red/yellow No Ceneral technical data number of poles / note mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / 6 000 operating frequency / maximum for operating frequency / maximum for operating voltage / rated value operating voltage resistance / rated value operating frequency / rated value operation class IP for the front protection class IP / on the front protection class IP / or tated value of the current / at AC / in hot operating state / per pole Current operational current / rated value	product designation	3LD Switch disconnector	
operation type of switch design of the actuating element color / of the actuating element design of handle type of the driving mechanism / motor drive General technical data number of poles number of poles / note electrical endurance (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution Voltage insulation voltage / rated value • at AC / rated value • maximum • at AC / rated value • maximum • maximum foo Hz Protection class IP power loss IP / on the front Dissipation power loss IV / for rated value operating state / per pole Current • at 40 °C / rated value • at 40 °C / rated value operating outend operating state / per pole Current • at 40 °C / rated value • at 40 °C / rated value of the current / at 40 °C / rated value operating attal / per pole Current • at 40 °C / rated value of the current / at 40 of AC / rated value operating attal / per pole Current operational current / rated value operational current ope	design of the product	EMERGENCY-STOP switch	
design of the actuating element red design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive No General technical data number of poles 3 number of poles 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) / typical electrical endurance (switching cycles) / 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value 690 V operating voltage resistance / rated value 690 V operating voltage resistance / rated value 690 V operating frequency / rated value 690 V operation class IP / on the front 1P65 Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value 25 A		1 ON - 0 OFF	
color / of the actuating element design of handle type of the driving mechanism / motor drive No Ceneral technical data number of poles number of poles / note mechanical service life (switching cycles) / typical / to 0000 electrical endurance (switching cycles) / typical / to 0000 electrical endurance (switching cycles) • at AC-23 A / at 690 V	type of switch	Floor mounting with door coupling	
design of handle knob-operated mechanism, red/yellow type of the driving mechanism / motor drive No General technical data number of poles 3 number of poles 1 number of poles 3 number of poles 100 000 electrical endurance (switching cycles) / typical 100 000 electrical endurance (switching cycles) 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage sat AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage sat AC-24 A / at 690 V 6 000 surge voltage resistance / rated value 690 V 6 000 operating frequency / maximum 60 kV 6 000 operating frequency / rated value 690 V 6 000 operating frequency / rated value 690 V 6 000 operating frequency / rated value 6 00 V 6 000 V 6	design of the actuating element	selector switch	
type of the driving mechanism / motor drive General technical data number of poles 3 number of poles / note mechanical service life (switching cycles) / typical / 100 000 electrical endurance (switching cycles) / 6 000 operating frequency / maximum / 50 1/h degree of pollution / 3 Voltage insulation voltage / rated value / 690 V surge voltage resistance / rated value / 690 V operating frequency / rated value / 690 V operating frequency / rated value / 690 V operating voltage resistance / rated value / 690 V operating voltage resistance / rated value / 690 V operating requency / rated value / 600 Hz Protection class IP / on the front / 1, 3R, 4X, 12 protection class IP / on the front / IP65 Dissipation / 1, 3R, 4X, 12 protection class IP / on the front / IP65 Dissipation / 1, 11 W operating state / per pole Current / operational current / rated value / 25 A operational current / rated value / 25 A	color / of the actuating element	red	
number of poles number of poles / note mechanical service life (switching cycles) / typical / 100 000 electrical endurance (switching cycles) / typical / 100 000 electrical endurance (switching cycles) • at AC-23 A / at 690 V	design of handle	knob-operated mechanism, red/yellow	
number of poles 3 number of poles / note 3 mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles) • at AC-23 A / at 690 V 6 000 operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 680 V operating voltage • at AC / rated value 690 V operating frequency / rated value 690 V operating frequency / rated value 690 V operating requency / rated value 690 V operating frequency / rated value 690 V operation class P 0 operation class IP 0 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 1, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2, 3R, 4X, 12 protection class IP / on the front 2,	type of the driving mechanism / motor drive	No	
number of poles / note mechanical service life (switching cycles) / typical 100 000 electrical endurance (switching cycles)	General technical data		
mechanical service life (switching cycles) / typical electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum 50 1/h degree of pollution 3 Voltage insulation voltage / rated value operating voltage • at AC / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum • maximum Protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 25 A operational current • at 40 °C / rated value • at 40 °C / rated value 25 A	number of poles	3	
electrical endurance (switching cycles) • at AC-23 A / at 690 V operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • minimum • maximum Frotection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value • at 40 °C / rated value 25 A	number of poles / note	3	
at AC-23 A / at 690 V operating frequency / maximum degree of pollution 70tage insulation voltage / rated value surge voltage resistance / rated value operating voltage at AC / rated value operating frequency / rated value operating frequency / rated value operating frequency / rated value ominimum ominimu	mechanical service life (switching cycles) / typical	100 000	
operating frequency / maximum degree of pollution 3 Voltage insulation voltage / rated value surge voltage resistance / rated value operating yoltage • at AC / rated value • minimum • maximum on the sum of	electrical endurance (switching cycles)		
degree of pollution Voltage insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 Hz Protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value 25 A operational current • at 40 °C / rated value 25 A	• at AC-23 A / at 690 V	6 000	
insulation voltage / rated value 690 V surge voltage resistance / rated value 6 kV operating voltage • at AC / rated value 690 V operating frequency / rated value • minimum 50 Hz • maximum 60 Hz Protection class protection class IP IP65 degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 25 A	operating frequency / maximum	50 1/h	
insulation voltage / rated value surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 50 Hz • maximum Frotection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 690 V 6 kV 6 kV 690 V 6 kV 690 V 6 kV 690 V 10 Hz 690 V 10 Hz 690 V 10 Hz 690 V 10 Hz 690 V 11 Hz 60 Hz 11 Hz 11 W 11 W 12 AC / in hot operating state / per pole Current 11 W 12 AC / in hot operational current / rated value 25 A 0 perational current / rated value 0 at 40 °C / rated value 0 25 A	degree of pollution	3	
surge voltage resistance / rated value operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 50 Hz • maximum Frotection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 25 A	Voltage		
operating voltage • at AC / rated value operating frequency / rated value • minimum • maximum 50 Hz 60 Hz Protection class protection class IP degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 690 V 690	insulation voltage / rated value	690 V	
 at AC / rated value operating frequency / rated value minimum maximum fo Hz maximum fo Hz Protection class protection class IP degree of protection NEMA rating protection class IP / on the front IP65 Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value at 40 °C / rated value 25 A 25 A 25 A 26 A 26 A 26 A 27 A 28 A 28 A 29 A 29 A 20 A 20 A 20 A 21 A 22 A 25 A 26 A 26 A 27 A 28 A 29 A 29 A 20 A 20 A 21 A 22 A 25 A 26 A 26 A 27 A 28 A 29 A 29 A 20 A 20 A 20 A 21 A 22 A 23 A 24 A 25 A 26 A 26 A 27 A 28 A 29 A 29 A 20 A	surge voltage resistance / rated value	6 kV	
operating frequency / rated value	operating voltage		
	at AC / rated value	690 V	
	operating frequency / rated value		
protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value IP65 1.1 W 1.1 W 25 A	• minimum	50 Hz	
protection class IP degree of protection NEMA rating 1, 3R, 4X, 12 protection class IP / on the front IP65 Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 1, 3R, 4X, 12 1, 3R, 4X, 12	maximum	60 Hz	
degree of protection NEMA rating protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value • at 40 °C / rated value 1, 3R, 4X, 12 1P65 1.1 W 1.1 W 25 A	Protection class		
protection class IP / on the front Dissipation power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current other at 40 °C / rated value 25 A	protection class IP	IP65	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 25 A	degree of protection NEMA rating	1, 3R, 4X, 12	
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole Current operational current / rated value operational current • at 40 °C / rated value 25 A	protection class IP / on the front	IP65	
hot operating state / per pole Current operational current / rated value operational current operational current operational current 25 A 25 A	Dissipation		
operational current / rated value 25 A operational current • at 40 °C / rated value 25 A		1.1 W	
operational current • at 40 °C / rated value 25 A	Current		
• at 40 °C / rated value 25 A	operational current / rated value	25 A	
	operational current		
	 at 40 °C / rated value 	25 A	
• at 45 °C / rated value 25 A	• at 45 °C / rated value	25 A	

a at 50 °C / rated value	25 Λ
 at 50 °C / rated value at 55 °C / rated value 	25 A 25 A
at AC / rated value	25 A 25 A
	LVA
Main circuit	
operational current	25 /
• at AC-21 / at 690 V / rated value	25 A
 at AC-21 A / at 240 V / rated value 	25 A
at AC-21 A / at 400 V / rated value	25 A
• at AC-21 A / at 440 V / rated value	25 A
at AC-23 A / at 400 V / rated value	20 A
operating power	
at AC-23 A / at 240 V / rated value	4 kW
at AC-23 A / at 400 V / rated value	10 kW
at AC-23 A / at 440 V / rated value	9 kW
at AC-23 A / at 690 V / rated value	9 kW
at AC-3 / at 240 V / rated value	4 kW
at AC-3 / at 400 V / rated value	8 kW
• at AC-3 / at 690 V / rated value	7.5 kW
Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	0
number of NO contacts / for auxiliary contacts	0
operating voltage / of auxiliary contacts / at AC / maximum	500 V
continuous current / of the auxiliary contact / rated value	10 A
insulation voltage / of the auxiliary switch / rated value	500 V
Suitability	
suitability for use	
main switch	Yes
 switch disconnector 	Yes
 EMERGENCY OFF switch 	Yes
safety switch	Yes
maintenance/repair switch	Yes
Product details	
special product feature	Can be locked in zero position
product feature / can be locked into OFF position	Yes
accessories	
product extension / optional	
motor drive	No
voltage trigger	No
number of connectable NC contacts / for auxiliary contacts	
c. comicolabio i to contacto / for duvinary contacto	2
/ attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts	4
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts	
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum	4 0 2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks	0
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit	4 0 2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks	4 0 2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse	4 0 2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value	4 0 2 4 6 mm
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value	4 0 2 4 6 mm
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value	4 0 2 4 6 mm
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse /	4 0 2 4 6 mm 10 kA 6 kA
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse /	4 0 2 4 6 mm 10 kA 6 kA 3.5 kA
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse / maximum permissible	4 0 2 4 6 mm 10 kA 6 kA 3.5 kA
number of connectable NO contacts / for auxiliary contacts / attachable / maximum number of connectable CO contacts / for auxiliary contacts / attachable / maximum number of bracket locks / maximum hasp thickness / of the bracket locks Short circuit conditional short-circuit current / with line-side fuse protection • at 440 V / by gG fuse / rated value • at 690 V / by gG fuse / rated value let-through current / with closed switch • at 240 V / for combination switch + gG fuse / maximum • at 440 V / for combination switch + gG fuse / maximum • at 690 V / for combination switch + gG fuse /	4 0 2 4 6 mm 10 kA 6 kA 3.5 kA

maximum	4140.0
 at 440 V / for combination switch + gG fuse / maximum 	4 kA2.s
• at 690 V / for combination switch + gG fuse /	4 kA2.s
maximum	
design of the fuse link	
 for short-circuit protection of the main circuit / required 	fuse gL/gG: 25 A
for short-circuit protection of the auxiliary switch /	fuse gL/gG: 10 A
required	
operational current / of upstream fuse / rated value	25 A
according UL	
operational current / at AC / according to UL 508/UL 60947-4-1 / rated value	25 A
operating voltage / at AC / at 50/60 Hz / according to UL 508/UL 60947-4-1 / rated value	600 V
active power [hp] / at AC / at 480 V / according to UL 508/UL 60947-4-1 / rated value	10
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	15
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	5 kA
continuous current / of upstream fuse / according to UL / rated value	50 A
type of fuse / according to UL	RK5
Connections	
AWG number / as coded connectable conductor cross	
section / solid	
• maximum	6
• minimum	14
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (2.5 to 16 mm²)
 finely stranded / with core end processing 	1x (2.516 mm²)
stranded stranded	1x (2.5 to 16 mm²)
type of connectable conductor cross-sections / for	17 (2.0 % 10 11111)
auxiliary contacts	
• solid	2x (0.75 2.5 mm²), 1x 4 mm²
 finely stranded / with core end processing 	2x (0.75 1.5 mm²), 1x 2.5 mm²
• stranded	2x (0.75 2.5 mm²), 1x 4 mm²
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	Box terminals
Mechanical Design	
height	60 mm
width	36 mm
depth	380 mm
type of device	fixed mounting
fastening method	Built-in unit fixed-mounted version
fastening method	N.
4-hole front mounting	No V
front mounting with central attachment roll mounting.	Yes
• rail mounting	Yes 300 g
net weight	300 g
Environmental conditions	
ambient temperature / during operation	35 °C
• minimum	-25 °C
maximum ambient temperature / during storage	55 °C
ambient temperature / during storage ● minimum	-25 °C
maximum maximum	-25 °C
General Product Approval	Declaration of Conformity
General Froduct Approval	Deciaration of Comornity













other

Miscellaneous

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD3140-0TK13

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3LD3140-0TK13

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3LD3140-0TK13

CAx-Online-Generator

http://www.siemens.com/cax

Tender specifications

http://www.siemens.com/specifications









