## **SIEMENS**

Data sheet 3LD2786-2GP21

SENTRON switch disconnector 3LD in molded-plastic enclosure , repair and maintenance switch with EMC plate, 3-pole lu: 100A, AC23A 400V at 50/60Hz: 37kW, used with frequency converter: AC20 400V at 0-550Hz: 37kW, 1NO + 1NC 20-150ms leading, molded-plastic encapsulation for metric cable gland, knob-operated mechanism, black, lockable in 0- and I-position, incl. cable shield clamps and hose clamps

Model			
product brand name	SENTRON		
product designation	3LD Switch disconnector		
design of the product	Switch		
display version / for switch position indicator manual operation	1 ON - 0 OFF		
design of the actuating element	selector switch		
design of handle	knob-operated mechanism, black		
type of the driving mechanism / motor drive	No		
General technical data			
number of poles	3		
type of device	fixed mounting		
type of switch	Molded-plastic enclosure for metric threaded joint		
size of switch disconnector	4		
mechanical service life (switching cycles) / typical	100 000		
electrical endurance (switching cycles)			
• at AC-23 A / at 690 V	6 000		
<ul> <li>between converter and motor / when used as repair switch / at AC-20 A / at 690 V / at 0-550 Hz</li> </ul>	100 000		
I2t value / with closed switch / at 690 V / for combination switch + gG fuse / maximum	64 kA2.s		
let-through I2t value / with closed switch / at 440 V / for combination switch + gG fuse / maximum	64 kA2.s		
operating frequency / maximum	50 1/h		
Voltage			
insulation voltage / rated value	690 V		
surge voltage resistance / rated value	6 kV		
operating voltage			
<ul> <li>between converter and motor / at AC / at 0-550 Hz / rated value</li> </ul>	690 V		
Protection class			
protection class IP	IP65		
protection class IP / on the front	IP65		
Dissipation			
power loss [W]			
<ul> <li>for rated value of the current / at AC / in hot operating state / per pole</li> </ul>	7.5 W		
<ul><li>per conductor / typical</li></ul>	7.5 W		
Current			
operational current			
<ul> <li>at 40 °C / rated value</li> </ul>	80 A		
<ul><li>at AC / rated value</li></ul>	100 A		
<ul><li>at AC-23 A / at 400 V / rated value</li></ul>	70 A		
<ul><li>at AC-21 / at 690 V / rated value</li></ul>	100 A		
<ul><li>at AC-21 A / at 240 V / rated value</li></ul>	100 A		

operational current / sind closed winch  * 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  * at 690 V / for combination switch + gG / fuse / maximum  * at 690 V / for combination switch + gG / fuse / maximum value  * little scale value  * little scale value  * little scale value  * sind AC-23 A / at 240 V / rated value  * at AC-23 A / at 440 V / rated value  * at AC-23 A / at 440 V / rated value  * at AC-23 A / at 440 V / rated value  * at AC-23 A / at 690 V / rated value  * at AC-23 A / at 690 V / rated value  * at AC-23 A / at 690 V / rated value  * at AC-3 / at 690 V / rated value  * at AC-3 / at 690 V / rated value  * at 400 V / at 0-580 Hz / rated value  * at 400 V / at 0-580 Hz / rated value  * at 400 V / at 0-580 Hz / rated value  * at 400 V / at 0-580 Hz / rated value  * at 400 V / at 0-580 Hz / rated value  * at 600 V / at 0-580 Hz / rated value  * at 400 V		
at 440 V / for combination switch + gG fuse / maximum	operational current / of upstream fuse / rated value	100 A
maximum	<u> </u>	
maximum permissible Main circuit operating frequency / between converter and motor / when used as repair selve initial value initial value initial value stance / 23 A read value stance / 24 A read value operating active power (W) / between converter and motor / when used as repair switch / at AC-20 A stance / 24 A read value stance / 25 A read value stance / 24 A read value stance / 25 A read		10 kA
operating frequency / between converter and motor / when used as repair switch initial value 550 Hz		10 kA
used as repair switch  • Initial value  • Initi-scale value  • Initi-scale value  • Initial	Main circuit	
	operating frequency / between converter and motor / when	
or chil-scale value     operating power	used as repair switch	
operating power  at AC-23 A / at 240 V / rated value  at AC-23 A / at 440 V / rated value  at AC-23 A / at 240 V / rated value  at AC-33 A / at 240 V / rated value  at AC-3 A / at 240 V / rated value  at AC-3 / at 240 V / rated value  at AC-3 / at 240 V / rated value  at AC-3 / at 690 V / rated value  operating active power [Vii] between converter and motor / when used as repair switch / at AC-20 A  at 400 V / at 0-550 Hz / rated value  operational current / rated value  at 690 V / at 0-550 Hz / rated value  ocontinuous current / between converter and motor / when used as repair switch / at AC-20 A  at 360 V / rated value  continuous current / between converter and motor / when used as repair switch / at AC-20  at 200 V / rated value  at 400 V / rated value  at 400 V / rated value  at 400 V / rated value  at 68 A  at 30 V / rated value  at 68 A  at 30 V / rated value  at 68 A  at 30 V rated value  at 690 V / rated value  at 690 V / rated value  at 690 V	initial value	0 Hz
at AC-23 A / at 440 V / rated value at AC-23 A / at 459 V / rated value 37 kW at AC-23 A / at 659 V / rated value 30 kW at AC-3 / at 240 V / rated value 18.5 kW at AC-3 / at 240 V / rated value 22 kW operating active power (N/) between converter and motor / when used as repair switch / at AC-3 / at 690 V / rated value 22 kW operating active power (N/) between converter and motor / when used as repair switch / at AC-20 A at 400 V / at 0-550 Hz / rated value 55 kW at 809 V / at 0-550 Hz / rated value 55 kW operational current / rated value 55 kW operational current / between converter and motor / when used as repair switch / at AC-20 at 230 V / rated value 56 A at 400 V / rated value 67 A at 690 V / rated value 68 A at 400 V / rated value 69 A at 690 V / rated value 60 A Auxiliary circuit number of NC contacts / for auxiliary contacts 0 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary switch / rated value 500 V  Suitability suitability for use 600 V	full-scale value	550 Hz
• at AC-23 A / at 440 V / rated value • at AC-32 A / at 590 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value • at AC-3 / at 400 V / rated value  operating active power [M/] / between converter and motor / when used as repair switch / at AC-20 A • at 400 V / at 0-560 Hz / rated value  operational current / rated value • at 4690 V / at 0-550 Hz / rated value  operational current / rated value • at 4690 V / rated value • at 400 V / rated value • at 690 V / rated value • at 000 V / rated value • at	operating power	
at AC-23 A / at 690 V / rated value at AC-3 / at 240 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 690 V / rated value at AC-3 / at 690 V / rated value poperating active power [M] / between converter and motor / when used as repair switch / at AC-20 A at 400 V / at 0-550 Hz / rated value stages of a 100 A continuous current / rated value stages of value at 690 V / rated value for a 1690 V / rated value at 690 V / rated value at 690 V / rated value for a 1690 V / rated value for a 1690 V / rated value at 690 V / rated value for a 1690 V / rated value for a 16	<ul><li>at AC-23 A / at 240 V / rated value</li></ul>	18.5 kW
at AC-3 / at 240 V / rated value at AC-3 / at 590 V / rated value 30 kW 22 kW  operating active power [W] / between converter and motor / when used as repair switch / at AC-20 A at 400 V / at 0-550 Hz / rated value 37 kW at 690 V / at 0-550 Hz / rated value 55 kW operational current / rated value continuous current / between converter and motor / when used as repair switch / at AC-20 A at 400 V / at 0-550 Hz / rated value 55 kW operational current / between converter and motor / when used as repair switch / at AC-20 at 230 V / rated value 68 A at 400 V / rated value 75 A at 400 V / rated value 62 A  Auxiliary circuit number of CO contacts / for auxiliary contacts 0 current of NC contacts / for auxiliary contacts 1 coperating voltage / of auxiliary contacts 1 coperating voltage / of auxiliary contacts 1 coperating voltage / of auxiliary contact / rated value 500 V  suitability suitability for use main switch switch disconnector EMERGENCY OFF switch switch disconnector EMERGENCY OFF switch switch disconnector EMERGENCY OFF switch switch disconnector product deature product feature / can be locked into OFF position product feature / can be locked into OFF position product feature / can be locked into OFF position product feature / can be locked into Nposition special product feature product details  product detai	<ul><li>at AC-23 A / at 440 V / rated value</li></ul>	37 kW
at AC-3 / at 900 V / rated value at AC-3 / at 900 V / rated value 22 kW  at AC-3 / at 900 V / rated value 22 kW  23 kW  24 k400 V / at 0-550 Hz / rated value 25 kw  26 kw 27 kc 400 V / at 0-550 Hz / rated value 26 kw 27 kc 400 V / at 0-550 Hz / rated value 27 kc 400 V / rated value 28 kc 400 V / rated value 29 kc 400 V / rated value 20 et 230 V / rated value 20 et 300 V / ra	<ul><li>at AC-23 A / at 690 V / rated value</li></ul>	30 kW
e at AC-3 / at 690 V / rated value  operating active power [W] / between converter and motor / when used as repail switch / at AC-20 A e at 400 V / at 0-550 Hz / rated value 55 kW  operational current / rated value 100 A  ontinuous current / between converter and motor / when used as repail switch / at AC-20  e at 230 V / rated value 68 A e at 400 V / rated value 62 A  at 400 V / rated value 68 A e at 900 V / rated value 62 A  Auxiliary circuit 75 A e at 900 V / rated value 62 A  Auxiliary circuit 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 75 A e at 900 V / rated value 95 A e at 900	<ul><li>at AC-3 / at 240 V / rated value</li></ul>	18.5 kW
operating active power [W] / between converter and motor / when used as repair switch / at AC-20 A	<ul><li>at AC-3 / at 400 V / rated value</li></ul>	30 kW
f when used as repair switch / at AC-20 A  • at 400 V / at 0-550 Hz / rated value  • at 690 V / at 0-550 Hz / rated value  continuous current / between converter and motor / when used as repair switch / at AC-20  • at 230 V / rated value  • at 490 V / rated value  • at 690 V / rated value  • at 690 V / rated value  • at 690 V / rated value  number of NC contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  2 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  2 number of NC contacts / for auxiliary contacts  2 number of NC contacts / for auxiliary contacts  3 number of NC contacts / for auxiliary contacts  4 number of NC contacts / for auxiliary contacts  5 number of NC contacts / for auxiliary contacts  5 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 number of NC contacts / f	at AC-3 / at 690 V / rated value	22 kW
• at 690 V / at 0-550 Hz / rated value  operational current / Pathews converter and motor / when used as repair switch / at AC-20  • at 230 V / rated value • at 400 V / rated value • at 690 V / rated value  Auxiliary circuit  number of NC contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  1 number of NO contacts / for auxiliary contacts  1 operating voltage / of auxiliary contacts  1 operating voltage / of auxiliary contact / rated value  insulation voltage / of the auxiliary switch / rated value  Suitability  suitability  suitability for use • main switch • switch disconnector • EMERGENCY OFF switch • No • safety switch • safety switch • safety switch • product feature / can be locked into OFF position • product feature / can be locked into OFF position • product feature / can be locked in ON position  apas phickness / of the bracket locks / maximum  special product feature • rother of the bracket locks / maximum  special product feature • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse profection		
operational current / rated value 100 A  continuous current / between converter and motor / when used as repair switch / rat AC-20  • at 230 V / rated value 68 A • at 400 V / rated value 75 A • at 690 V / rated value 62 A  Auxiliary circuit  number of CO contacts / for auxiliary contacts 0 number of NO contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of auxiliary contacts 1 operating voltage / of the auxiliary contact / rated value 10 A southability  suitability  suitability su	• at 400 V / at 0-550 Hz / rated value	37 kW
continuous current / between converter and motor / when used as repair switch / at AC-20  • at 230 V / rated value • at 400 V / rated value • at 400 V / rated value • at 400 V / rated value • at 690 V / rated value  62 A  Auxiliary circuit  number of CO contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  1 number of NC contacts / for auxiliary contacts  1 operating voltage / of auxiliary contacts  1 operating voltage / of auxiliary contacts  1 operating voltage / of auxiliary contacts  1 oov V  Suitability  suitability  suitability  suitability  suitability for use  • main switch • safety switch • safety switch • maintenance/repair switch  • safety switch • maintenance/repair switch  Appearance  color / of the actuating element  Product detatire / can be locked into OFF position • product function / can be locked in ON position  naps thickness / of the bracket locks / maximum  special product estaure  • motor drive • voltage trigger  No  No  No  No  No  No  No  No  No  N	<ul> <li>at 690 V / at 0-550 Hz / rated value</li> </ul>	55 kW
used as repair switch / at AC-20  • at 230 V / rated value	operational current / rated value	100 A
at 400 V / rated value at 890 V / rated value be at 890 V / rated value  Auxillary circuit number of CO contacts / for auxiliary contacts number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of the auxiliary contact / rated value 10 A  solution voltage / of the auxiliary switch / rated value  Suitability suitability suitability for use  main switch		
at 690 V / rated value  Auxiliary circuit  number of CO contacts / for auxiliary contacts  number of NO contacts / for auxiliary contacts  1 number of NO contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value  500 V  Sultability  suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • switch disconnector • EMERGENCY OFF switch • safety switch • naintenance/repair switch  Appearance color / of the actuating element  Product details  • product feature / can be locked into OFF position • product feature / can be locked into No position number of bracket locks / maximum 3 hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit conditional short-circuit current / with line-side fuse protection	at 230 V / rated value	68 A
Auxiliary circuit number of CO contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 number of NC contacts / for auxiliary contacts 1 operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value 500 V  Sultability suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch Ves  Appearance color / of the actuating element  Product details  • product feature / can be locked in ON position • product feature / can be locked in ON position number of bracket locks / maximum aspecial product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit conditional short-circuit current / with line-side fuse protection	• at 400 V / rated value	75 A
number of CO contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  1 operating voltage / of auxiliary contacts / at AC / maximum  continuous current / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  Sultability  suitability  suitability for use  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  product details  product feature / can be locked in ON Fp position  product feature / can be locked in ON position  number of bracket locks / maximum  alasp thickness / of the bracket locks / maximum  special product feature  motor drive  motor drive  voltage trigger  No  Short circuit  Conditional short-circuit current / with line-side fuse  protection	• at 690 V / rated value	62 A
number of CO contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  number of NC contacts / for auxiliary contacts  1 operating voltage / of auxiliary contacts / at AC / maximum  continuous current / of the auxiliary switch / rated value  insulation voltage / of the auxiliary switch / rated value  Sultability  suitability  suitability for use  main switch  switch disconnector  EMERGENCY OFF switch  safety switch  maintenance/repair switch  product details  product feature / can be locked in ON Fp position  product feature / can be locked in ON position  number of bracket locks / maximum  alasp thickness / of the bracket locks / maximum  special product feature  motor drive  motor drive  voltage trigger  No  Short circuit  Conditional short-circuit current / with line-side fuse  protection	Auxiliary circuit	
number of NC contacts / for auxiliary contacts 1 number of NO contacts / for auxiliary contacts 5 operating voltage / of auxiliary contacts / at AC / maximum 600 V continuous current / of the auxiliary contact / rated value 10 A insulation voltage / of the auxiliary switch / rated value 500 V  Suitability  suitability  suitability  suitability  suitability  suitability  suitability or use		0
number of NO contacts / for auxiliary contacts   1   operating voltage / of auxiliary contacts / at AC / maximum   600 V   continuous current / of the auxiliary contact / rated value   10 A   insulation voltage / of the auxiliary switch / rated value   500 V   Suitability  suitability  suitability for use   Yes		
operating voltage / of auxiliary contacts / at AC / maximum continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value  Sout V  Sultability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  • maintenance/repair switch  • maintenance/repair switch  • product details  • product details • product feature / can be locked into OFF position • product feature / can be locked in ON position number of bracket locks / maximum shasp thickness / of the bracket locks / maximum special product feature  product eteruse  product eteruse  special product testure  product eteruse  ninclusive EMC shield plate  No  Short circuit  conditional short-circuit current / with line-side fuse protection		
continuous current / of the auxiliary contact / rated value insulation voltage / of the auxiliary switch / rated value  Suitability  yes  e MRRGENCY OFF switch  No  safety switch  No  special product details  suitability  suitability  suitability  yes  black  Product details  suitability  yes  black  Product details  suitability  yes  black  Yes  product details  yes  number of bracket locks / maximum  sas hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional  emotor drive  voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection		600 V
insulation voltage / of the auxiliary switch / rated value  Suitability  suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • safety switch • maintenance/repair switch  Appearance  color / of the actuating element  Product details  • product function / can be locked into OFF position • product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product detaure  product extension / optional • motor drive • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection		10 A
suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  • maintenance/repair switch • maintenance/repair switch  Appearance  color / of the actuating element  Product details  • product function / can be locked into OFF position • product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection		500 V
suitability for use  • main switch • switch disconnector • EMERGENCY OFF switch • safety switch • maintenance/repair switch  • maintenance/repair switch • maintenance/repair switch  Appearance  color / of the actuating element  Product details  • product function / can be locked into OFF position • product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional • motor drive • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection	Suitability	
main switch switch disconnector EMERGENCY OFF switch safety switch maintenance/repair switch No maintenance/repair switch  Appearance color / of the actuating element black  Product details  product feature / can be locked into OFF position product feature / can be locked in ON position mumber of bracket locks / maximum hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature product extension / optional motor drive voltage trigger No  Short circuit  conditional short-circuit current / with line-side fuse protection  Yes  Yes  Yes  Yes  Appearance  Shack  Yes  Yes  Froduct feature  inclusive EMC shield plate  No  Short circuit  conditional short-circuit current / with line-side fuse protection	-	
Switch disconnector     EMERGENCY OFF switch     Safety switch     safety switch     maintenance/repair switch  Appearance  color / of the actuating element  Product details      product feature / can be locked into OFF position     product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional     motor drive     voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection  Yes  Yes  Yes  Appearance  Ves  Yes  Yes  A 5 mm  inclusive EMC shield plate	•	Yes
EMERGENCY OFF switch     safety switch     maintenance/repair switch     maintenance/repair switch  Appearance  color / of the actuating element  Product details      product function / can be locked into OFF position     product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional     motor drive  voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection  No  Short circuit  conditional short-circuit current / with line-side fuse protection		
safety switch     maintenance/repair switch     Yes  Appearance  color / of the actuating element  Product details      product function / can be locked into OFF position     product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional     motor drive     voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection		
maintenance/repair switch     Appearance     color / of the actuating element     Product details		
Appearance  color / of the actuating element  Product details  • product function / can be locked into OFF position • product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional • motor drive  voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection	•	
color / of the actuating element  Product details  • product function / can be locked into OFF position • product feature / can be locked in ON position  rumber of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional  motor drive  voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection		
Product details  • product function / can be locked into OFF position • product feature / can be locked in ON position  number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional  motor drive voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection		hlack
product feature / can be locked in ON position     number of bracket locks / maximum     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     special product feature     product extension / optional		Didon
product feature / can be locked in ON position     number of bracket locks / maximum     hasp thickness / of the bracket locks / minimum     hasp thickness / of the bracket locks / maximum     special product feature     product extension / optional	product function / can be locked into OFF position	Yes
number of bracket locks / maximum  hasp thickness / of the bracket locks / minimum  hasp thickness / of the bracket locks / maximum  special product feature  product extension / optional  omotor drive  voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection		
hasp thickness / of the bracket locks / minimum hasp thickness / of the bracket locks / maximum special product feature inclusive EMC shield plate  product extension / optional		
hasp thickness / of the bracket locks / maximum special product feature inclusive EMC shield plate  product extension / optional		
special product feature  product extension / optional  • motor drive  • voltage trigger  Short circuit  conditional short-circuit current / with line-side fuse protection		
product extension / optional  • motor drive  • voltage trigger  No  Short circuit  conditional short-circuit current / with line-side fuse protection	<u> </u>	
<ul> <li>motor drive         <ul> <li>voltage trigger</li> </ul> </li> <li>Short circuit         <ul> <li>conditional short-circuit current / with line-side fuse protection</li> </ul> </li> </ul>		
voltage trigger     No  Short circuit  conditional short-circuit current / with line-side fuse protection		No
Short circuit  conditional short-circuit current / with line-side fuse protection		
conditional short-circuit current / with line-side fuse protection		
protection		
at 690 V / by gG fuse / rated value     50 kA		
	• at 690 V / by gG fuse / rated value	50 kA

according UL	
operational current / at AC / according to UL 508/UL	100 A
60947-4-1 / rated value operating voltage / at AC / at 50/60 Hz / according to UL	600 V
508/UL 60947-4-1 / rated value active power [hp] / at AC / at 480 V / according to UL	60
508/UL 60947-4-1 / rated value	
active power [hp] / at AC / at 600 V / according to UL 508/UL 60947-4-1 / rated value	75
short-time withstand current (SCCR) / at 600 V / according to UL 508/UL 60947-4-1	10 kA
continuous current / of upstream fuse / according to UL / rated value	200 A
type of fuse / according to UL	RK5
Number	
number of connectable NC contacts / for auxiliary contacts / attachable / maximum	2
number of connectable NO contacts / for auxiliary contacts / attachable / maximum	4
number of connectable CO contacts / for auxiliary contacts / attachable / maximum	0
Connections	
AWG number / as coded connectable conductor cross section / solid	
• maximum	1
• minimum	12
type of connectable conductor cross-sections / for copper conductor	
• solid	1x (450mm²)
<ul> <li>finely stranded / with core end processing</li> </ul>	1x (435mm²)
• stranded	1x (450mm²)
type of connectable conductor cross-sections / for auxiliary contacts	
• solid	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
• finely stranded / with core end processing	lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²
• stranded	lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)
type of electrical connection	
for main current circuit	box terminal
for auxiliary contacts	connection terminals
Requirements	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit / required</li> </ul>	fuse gL/gG: 100 A
<ul> <li>for short-circuit protection of the auxiliary switch / required</li> </ul>	fuse gL/gG: 10 A
Mechanical Design	
height	302 mm
width	212 mm
depth	181 mm
fastening method	Complete unit in enclosure with EMC shield plate
fastening method  • 4-hole front mounting	No
front mounting     front mounting with central attachment	Yes
rail mounting	No
net weight	1 950 g
Environmental conditions	
ambient temperature / during operation	
• minimum	-25 °C
• maximum	55 °C

ambient temperature / during storage / minimum		-25 °C			
Certificates					
reference code					
<ul> <li>acc. to DIN EN 61346-2</li> </ul>		S			
• acc. to IEC 81346-2		SF			
General Product Approval	Declaration of Conformity		Test Certificates		other
	CE		Special Test Certificate	<u>Miscellaneous</u>	Environmental Confirmations

## 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=3LD2786-2GP21

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2786-2GP21

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

EG-Konf.

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3LD2786-2GP21

**Tender specifications** 

http://www.siemens.com/specifications



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