## SIEMENS

## Data sheet

## 3NP1144-1DA20



SENTRON, fuse switch disconnector 3NP1, 4-pole, NH1, 250 A, for assembly and installation on mounting plate, Box terminal, cover level 70mm

product brand name         SENTRON           product designation         3NP1 fuse switch disconnector           design of the product         cover level 70 mm           design of the safety monitoring         Without           design of the safety monitoring         Without           design of the load switch / strip form         No           Type of the driving mechanism / motor drive         No           General technical data         number of poles           1         4           type of device         For assembly and installation on mounting plate           size of disconnecting link         1 and 0           size of fuse switch / imaximum         32 kA           permissible         0.65	Model			
design of the product     cover level 70 mm       design of the safety monitoring     Without       design of the safety monitoring     Without       design of the safety monitoring     Without       design of the safety monitoring     Cover handle       design of the load switch / strip form     No       Type of the driving mechanism / motor drive     No       General technical data     number of poles       1     1       size of disconnecting link     1 and 0       size of dusce     For assembly and installation on mounting plate       size of fuse link     1 and 0       let-through current / with closed switch / maximum     32 kA       power factor     0.65       • at AC-22 B     0.65       • at AC-23 B     0.45       • with capacitive load     -0.25       fuse system     LV HRC fuse       degree of pollution 2 / at AC / rated value     690 V       • with degree of pollution 3 / at AC / rated value     690 V       • with degree of pollution 2 / at AC / rated value     690 V       • at AC / rated value     0.95       surge voltage     8 kV       • at DC / rated value / maximum     690 V       • at DC / rated value / maximum     690 V       • at DC / rated value / maximum     690 V       • at DC / rated	product brand name	SENTRON		
design of the safety monitoring       Without         design of the actuating element       Cover handle         design of the load switch / strip form       No         type of the driving mechanism / motor drive       No         General technical data       4         number of poles       4         type of device       For assembly and installation on mounting plate         size of disconnecting link       1 and 0         size of fuse link       NH0, NH1         let-through current / with closed switch / maximum       32 kA         power factor       0.65         • at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 3 / at AC / rated value       0.95         surge voltage resistance / rated value       690 V         • at AC / rated value       84V         operating voltage       690 V         • at AC / rated value       890 V         • at AC / rated value       890 V          • at AC / rated value </td <td>product designation</td> <td colspan="3">3NP1 fuse switch disconnector</td>	product designation	3NP1 fuse switch disconnector		
design of the actuating element       Cover handle         design of the load switch / strip form       No         type of the driving mechanism / motor drive       No         number of poles       4         type of device       For assembly and installation on mounting plate         size of disconnecting link       1 and 0         mechanical service life (switching cycles) / typical       1 600         power factor       0.65         • at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V	design of the product	cover level 70 mm		
design of the load switch / strip form       No         type of the driving mechanism / motor drive       No         General technical data       number of poles         1       4         type of device       For assembly and installation on mounting plate         size of fuse link       1 and 0         size of fuse link       NH0, NH1         left-through current / with closed switch / maximum       32 kA         permissible       1 600         power factor       0.65         • at AC-22 B       0.66         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         insulation voltage       690 V         e with degree of pollution 3 / at AC / rated value       690 V         e with degree of pollution 2 / at AC / rated value       690 V         e with degree of pollution 2 / at AC / rated value       690 V         e with degree of pollution 2 / at AC / rated value       690 V         e at AC / rated value       690 V         e at AC / rated value       8 kV         operating voltage       690 V         e at AC / rated value / maximum	design of the safety monitoring	Without		
type of the driving mechanism / motor drive         No           General technical data         4           number of poles         4           type of device         For assembly and installation on mounting plate           size of disconnecting link         1 and 0           size of fuse link         NH0, NH1           let-through current / with closed switch / maximum permissible         22 kA           mechanical service life (switching cycles) / typical         1 600           power factor         0.65           • at AC-22 B         0.65           • at AC-23 B         0.45           • with capacitive load         -0.25           fuse system         LV HRC fuse           degree of pollution         3           Voltage         690 V           • with degree of pollution 3 / at AC / rated value         690 V           • with degree of pollution 2 / at AC / rated value         690 V           • with degree of pollution 2 / at AC / rated value         8kV           operating voltage         690 V           • at AC / rated value         8kV           operating voltage resistance / rated value         8kV           operating voltage         690 V           • at AC / rated value / maximum         690 V	design of the actuating element	Cover handle		
General technical data       4         number of poles       4         type of device       For assembly and installation on mounting plate         size of disconnecting link       1 and 0         size of fuse link       NH0, NH1         let-through current / with closed switch / maximum permissible       32 kA         mechanical service life (switching cycles) / typical       1 600         power factor       0.65         • at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 3 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       40 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       690 V         • at AC / rated value       440 V         Operating voltage       690 V         • at AC / rated value	design of the load switch / strip form	No		
number of poles       4         type of device       For assembly and installation on mounting plate         size of disconnecting link       1 and 0         size of fuse link       1 and 0         let-through current / with closed switch / maximum       32 kA         permissible       1 600         mechanical service life (switching cycles) / typical       1 600         power factor       0.65         • at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         insulation voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       88 kV         operating voltage resistance / rated value       890 V         • at AC / rated value / maximum       690 V         • at AC / rated value / maximum       690 V         • at AC / rated value / maximum       690 V         • with closed switch / without cover or cable lug cover       1000 V         Porection class IP       990	type of the driving mechanism / motor drive	No		
Impedidevice       For assembly and installation on mounting plate         size of device       1 and 0         size of fuse link       NH0, NH1         let-through current / with closed switch / maximum       32 kA         mechanical service life (switching cycles) / typical       1 600         power factor       0.65         • at AC-22 B       0.65         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       insulation voltage         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       8 kV         operating voltage       eat AC / rated value         • at AC / rated value / maximum       690 V         • at DC / rated value / maximum       690 V         • at DC / rated value / maximum       440 V         • at DC / rated value	General technical data			
size of disconnecting link       1 and 0         size of fuse link       NH0, NH1         let-through current / with closed switch / maximum       32 kA         mechanical service life (switching cycles) / typical       1 600         power factor       0.65         • at AC-22 B       0.65         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         insulation voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       8 kV         operating voltage       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       440 V         • at DC / rated value       440 V          • at DC / rated value /	number of poles	4		
size of fuse link       NH0, NH1         let-through current / with closed switch / maximum       32 kA         mechanical service life (switching cycles) / typical       1 600         power factor       1 600         • at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage	type of device	For assembly and installation on mounting plate		
let-through current / with closed switch / maximum       32 kA         mechanical service life (switching cycles) / typical       1 600         power factor       1 600         e at AC-22 B       0.65         • at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       690 V         • rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       e at AC / rated value         • at AC / rated value / maximum       690 V         • at DC / rated value / maximum       690 V         • at AC / rated value / maximum       690 V         • at AC / rated value       1000 V         portection class IP       990 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V	size of disconnecting link	1 and 0		
permissible       1 600         mechanical service life (switching cycles) / typical       1 600         power factor       0.65         • at AC-22 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage         insulation voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       440 V         • at DC / rated value       440 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40	size of fuse link	NH0, NH1		
power factor       0.65         • at AC-22 B       0.65         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       3         insulation voltage       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value / maximum       690 V         • at DC / rated value / maximum       690 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / without cover or cable lug cover       IP30		32 kA		
• at AC-22 B0.65• at AC-23 B0.45• with capacitive load-0.25fuse systemLV HRC fusedegree of pollution3Voltage• rated value690 V• rated value690 V• with degree of pollution 3 / at AC / rated value690 V• with degree of pollution 2 / at AC / rated value1000 Vpower factor / at AC-21 B0.95surge voltage8 kVoperating voltage8 kV• at AC / rated value440 V• at DC / rated value / maximum690 V• with closed switch / with cover or cable lug coverIP40• with closed switch / without cover or cable lug coverIP40• with closed switch / without cover or cable lug coverIP30	mechanical service life (switching cycles) / typical	1 600		
• at AC-23 B       0.45         • with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       insulation voltage         • rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       000 V         • with degree of pollution 2 / at AC / rated value       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       890 V         • at AC / rated value       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       440 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / with cover or cable lug cover       IP30	power factor			
• with capacitive load       -0.25         fuse system       LV HRC fuse         degree of pollution       3         Voltage       insulation voltage         • rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       8 kV         operating voltage       690 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / with cover or cable lug cover       IP30	• at AC-22 B	0.65		
fuse system       LV HRC fuse         degree of pollution       3         Voltage       insulation voltage         • rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value       800 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40         with closed switch / without cover or cable lug cover       IP30	• at AC-23 B	0.45		
degree of pollution       3         Voltage       insulation voltage         • rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value / maximum       690 V         • at DC / rated value / maximum       690 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40         with closed switch / with cover or cable lug cover       IP30	with capacitive load	-0.25		
Voltage         insulation voltage         • rated value         • with degree of pollution 3 / at AC / rated value         • with degree of pollution 2 / at AC / rated value         • with degree of pollution 2 / at AC / rated value         1 000 V         power factor / at AC-21 B         0.95         surge voltage resistance / rated value         8 kV         operating voltage         • at AC / rated value / maximum         690 V         • at DC / rated value / maximum         690 V         • at DC / rated value / maximum         440 V         • at DC / rated value / maximum         440 V         • at DC / rated value / maximum         9rotection class IP         • with closed switch / with cover or cable lug cover         • with closed switch / without cover or cable lug cover         IP30	fuse system	LV HRC fuse		
insulation voltage       690 V         • rated value       690 V         • with degree of pollution 3 / at AC / rated value       690 V         • with degree of pollution 2 / at AC / rated value       1 000 V         power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value / maximum       690 V         • at DC / rated value / maximum       690 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / without cover or cable lug cover       IP30	degree of pollution	3		
<ul> <li>rated value</li> <li>with degree of pollution 3 / at AC / rated value</li> <li>with degree of pollution 2 / at AC / rated value</li> <li>1 000 V</li> <li>power factor / at AC-21 B</li> <li>0.95</li> <li>surge voltage resistance / rated value</li> <li>8 kV</li> <li>operating voltage</li> <li>at AC / rated value / maximum</li> <li>690 V</li> <li>at DC / rated value / maximum</li> <li>690 V</li> <li>at DC / rated value / maximum</li> <li>440 V</li> <li>at DC / rated value / maximum</li> <li>440 V</li> <li>vith closed switch / with cover or cable lug cover</li> <li>with closed switch / without cover or cable lug cover</li> <li>IP30</li> </ul>	Voltage			
<ul> <li>with degree of pollution 3 / at AC / rated value</li> <li>with degree of pollution 2 / at AC / rated value</li> <li>1 000 V</li> <li>power factor / at AC-21 B</li> <li>0.95</li> <li>surge voltage resistance / rated value</li> <li>8 kV</li> <li>operating voltage</li> <li>at AC / rated value / maximum</li> <li>690 V</li> <li>at DC / rated value / maximum</li> <li>440 V</li> <li>at DC / rated value / maximum</li> <li>440 V</li> <li>Protection class IP</li> <li>with closed switch / with cover or cable lug cover</li> <li>IP40</li> <li>with closed switch / without cover or cable lug cover</li> <li>IP30</li> </ul>	insulation voltage			
<ul> <li>with degree of pollution 2 / at AC / rated value</li> <li>power factor / at AC-21 B</li> <li>urge voltage resistance / rated value</li> <li>8 kV</li> <li>operating voltage</li> <li>at AC / rated value / maximum</li> <li>690 V</li> <li>at DC / rated value</li> <li>440 V</li> <li>at DC / rated value / maximum</li> <li>440 V</li> <li>Protection class IP</li> <li>with closed switch / with cover or cable lug cover</li> <li>with closed switch / without cover or cable lug cover</li> <li>IP40</li> <li>IP30</li> </ul>	<ul> <li>rated value</li> </ul>	690 V		
power factor / at AC-21 B       0.95         surge voltage resistance / rated value       8 kV         operating voltage       8 kV         operating voltage       690 V         • at AC / rated value / maximum       690 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         Protection class       Protection class IP         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / without cover or cable lug cover       IP30	<ul> <li>with degree of pollution 3 / at AC / rated value</li> </ul>	690 V		
surge voltage resistance / rated value       8 kV         operating voltage       690 V         • at AC / rated value / maximum       690 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         Protection class       IPate the cover of cable lug cover         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / without cover or cable lug cover       IP30	<ul> <li>with degree of pollution 2 / at AC / rated value</li> </ul>	1 000 V		
operating voltage       690 V         • at AC / rated value / maximum       690 V         • at DC / rated value       440 V         • at DC / rated value / maximum       440 V         • at DC / rated value / maximum       440 V         Protection class       100 Protection class IP         • with closed switch / with cover or cable lug cover       110 Protection class         IP40       110 Protection class         • with closed switch / with cover or cable lug cover       110 Protection class	power factor / at AC-21 B	0.95		
<ul> <li>at AC / rated value / maximum</li> <li>at DC / rated value</li> <li>at DC / rated value</li> <li>at DC / rated value / maximum</li> <li>440 V</li> </ul> Protection class protection class IP <ul> <li>with closed switch / with cover or cable lug cover</li> <li>with closed switch / without cover or cable lug cover</li> <li>IP40</li> <li>IP30</li> </ul>	surge voltage resistance / rated value	8 kV		
• at DC / rated value440 V• at DC / rated value / maximum440 VProtection classImage: Class of the second	operating voltage			
e at DC / rated value / maximum 440 V      Protection class      protection class IP     e with closed switch / with cover or cable lug cover IP40     e with closed switch / without cover or cable lug cover IP30	<ul> <li>at AC / rated value / maximum</li> </ul>	690 V		
Protection class         protection class IP         • with closed switch / with cover or cable lug cover         • with closed switch / without cover or cable lug cover         IP30	<ul> <li>at DC / rated value</li> </ul>	440 V		
protection class IP       IP40         • with closed switch / with cover or cable lug cover       IP40         • with closed switch / without cover or cable lug cover       IP30	<ul> <li>at DC / rated value / maximum</li> </ul>	440 V		
with closed switch / with cover or cable lug cover     with closed switch / without cover or cable lug cover     IP30	Protection class			
with closed switch / without cover or cable lug cover	protection class IP			
	<ul> <li>with closed switch / with cover or cable lug cover</li> </ul>	IP40		
• on the front IP40	<ul> <li>with closed switch / without cover or cable lug cover</li> </ul>	IP30		
	• on the front	IP40		

• open	IP20
Dissipation	
<ul> <li>with conventional rated thermal current / without</li> </ul>	8 W
<ul><li>fuse / per pole</li><li>with conventional rated thermal current / without</li></ul>	32 W
<ul><li>fuse / per device</li><li>for rated value of the current / at AC / in hot</li></ul>	31 W
operating state / per pole <ul> <li>of the fuse / per fuse / maximum</li> </ul>	23 W
Current	25 W
operational current	
• at 35 °C / rated value	250 A
• at 40 °C / rated value	245 A
• at 45 °C / rated value	240 A
• at 50 °C / rated value	233 A
• at 55 °C / rated value	233 A
• at AC / rated value	250 A
• at AC-23 B / at 690 V / rated value	100 A
<ul> <li>at AC-23 B / at 500 V / rated value</li> </ul>	200 A
<ul> <li>at AC-23 B / at 400 V / rated value</li> </ul>	250 A
<ul> <li>at AC-23 B / at 240 V / rated value</li> </ul>	250 A
<ul> <li>at AC-22 B / at 690 V / rated value</li> </ul>	250 A
<ul> <li>at AC-22 B / at 500 V / rated value</li> </ul>	250 A
<ul> <li>at AC-22 B / at 400 V / rated value</li> </ul>	250 A
<ul> <li>at AC-22 B / at 240 V / rated value</li> </ul>	250 A
<ul> <li>at AC-21 B / at 690 V / rated value</li> </ul>	250 A
<ul> <li>at AC-21 B / at 500 V / rated value</li> </ul>	250 A
<ul> <li>at AC-21 B / at 400 V / rated value</li> </ul>	250 A
<ul> <li>at AC-21 B / at 240 V / rated value</li> </ul>	250 A
• at DC-23 B / at 440 V / rated value	100 A
<ul> <li>at DC-23 B / at 240 V / rated value</li> </ul>	200 A
<ul> <li>at DC-23 B / at 120 V / rated value</li> </ul>	200 A
<ul> <li>at DC-22 B / at 440 V / rated value</li> </ul>	200 A
• at DC-22 B / at 240 V / rated value	250 A
• at DC-22 B / at 120 V / rated value	250 A
• at DC-21 B / at 440 V / rated value	250 A
• at DC-21 B / at 240 V / rated value	250 A
• at DC-21 B / at 120 V / rated value	250 A
let-through current / with high-speed activation / maximum permissible	25 kA
Main circuit	
operational current	
rated value	250 A
with capacitive load / at 400 V / rated value	72 A
with capacitive load / at 500 V / rated value	55 A
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
Suitability	
suitability for use	No
main switch	No
switch disconnector	Yes
EMERGENCY OFF switch	No
<ul> <li>safety switch</li> </ul>	Yes
maintenance/repair switch	Yes
Product details	

product feature / interlock	Yes
product component / trip indicator	No
<ul> <li>product function / phase failure monitoring</li> </ul>	No
<ul> <li>product component / undervoltage release</li> </ul>	No
<ul> <li>product component / undervoltage release with leading contact</li> </ul>	No
product feature / sealable	Yes
product extension / auxiliary switch	Yes
product extension / optional	
<ul> <li>locking capability</li> </ul>	Yes
motor drive	No
<ul> <li>phase failure monitoring</li> </ul>	Yes
fuse monitoring	Yes
<ul> <li>voltage trigger</li> </ul>	No
<ul> <li>overvoltage protection monitoring</li> </ul>	Yes
Product function	
product function	
fuse monitoring	No
<ul> <li>overvoltage protection monitoring</li> </ul>	No
Short circuit	
conditional short-circuit current (Iq)	
rated value	80 kA
<ul> <li>at AC / at 240 V / with high-speed activation / rated value</li> </ul>	80 kA
<ul> <li>at AC / at 500 V / with high-speed activation / rated value</li> </ul>	80 kA
<ul> <li>at AC / at 690 V / with high-speed activation / rated value</li> </ul>	50 kA
<ul> <li>with closed switch / at AC / at 240 V / rated value</li> </ul>	120 kA
<ul> <li>with closed switch / at AC / at 500 V / rated value</li> </ul>	120 kA
<ul> <li>with closed switch / at AC / at 690 V / rated value</li> </ul>	100 kA
Connections	
arrangement of electrical connectors / for main current circuit	other
connectable conductor cross-section / for main contacts	
<ul> <li>solid or stranded / minimum</li> </ul>	70 mm <sup>2</sup>
<ul> <li>solid or stranded / maximum</li> </ul>	185 mm²
<ul> <li>finely stranded / with core end processing / minimum</li> </ul>	70 mm <sup>2</sup>
<ul> <li>finely stranded / with core end processing / maximum</li> </ul>	120 mm <sup>2</sup>
stranded / minimum	70 mm <sup>2</sup>
stranded / maximum	185 mm²
tightening torque / with screw-type terminals <ul> <li>minimum</li> </ul>	10 N·m
	10 N·m 10 N·m
maximum     type of connectable conductor cross sections / of the	20 x 10 mm
type of connectable conductor cross-sections / of the laminated conductors / maximum	
type of connection technology	Box terminal
type of electrical connection / for main current circuit	box terminal
Mechanical Design	000
height	306 mm
width	253.7 mm
depth fastening method	_ 116 mm mounting plate
fastening method fastening method	mounting plate
floor mounting	Yes
<ul><li>4-hole front mounting</li></ul>	No
<ul> <li>front mounting with central attachment</li> </ul>	No
• None mounting with contral attachment	

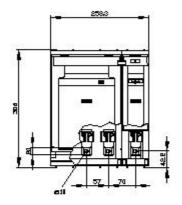
<ul> <li>rail mounting</li> </ul>		No		
mounting position		horizontal/vertical		
Environmental conditions				
ambient temperature / during operation				
• minimum		-25 °C		
maximum		55 °C		
ambient temperature / during storage				
• minimum		-50 °C		
• maximum		80 °C		
General Product Approval	Declaration of Conformity	of Test Certificates		Marine / Shipping
Miscellaneous ERE	CE EG-Konf.	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report	DNV-GL

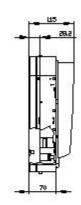
other

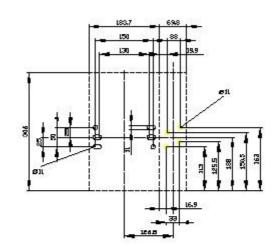
Miscellaneous

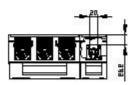
Further information

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=3NP1144-1DA20 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3NP1144-1DA20 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3NP1144-1DA20 CAx-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications









C