# **SIEMENS**

Data sheet 3LD2165-7UB01



SENTRON, Switch disconnector 3LD, change-over switch, 3-pole, lu: 25 A, Operating power / at AC-23 A at 400 V: 9.5 kW, molded-plastic encapsulation for metric cable screw connection, knob-operated mechanism, black

Model		
product brand name	SENTRON	
product designation	Switch disconnector	
design of the product	Selector switch	
display version for switch position indicator manual operation	1 ON - 0 OFF - 2 ON	
type of switch	Molded-plastic enclosure for metric threaded joint	
design of the actuating element	selector switch	
color of the actuating element	black	
design of handle	knob-operated mechanism, black	
type of the driving mechanism motor drive	No	
General technical data		
number of poles	3	
number of poles note	N + PE	
size of switch disconnector	2	
mechanical service life (operating cycles) typical	100 000	
electrical endurance (operating 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	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, 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	1.1 W	
Main circuit		
operational current		
<ul> <li>at AC-21 at 690 V rated value</li> </ul>	25 A	
<ul><li>at AC-21 at 690 V rated value</li><li>at AC-21 A at 240 V rated value</li></ul>	25 A 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	
<ul> <li>at AC-23 A at 240 V rated value</li> </ul>	5 kW
• at AC-23 A at 400 V rated value	10 kW
• at AC-23 A at 440 V rated value	9.5 kW
• at AC-23 A at 690 V rated value	10 kW
• at AC-3 at 240 V rated value	4 kW
• at AC-3 at 400 V rated value	8 kW
<ul> <li>at AC-3 at 690 V rated value</li> </ul>	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
suitability for use switch disconnector	Yes
suitability for use EMERGENCY OFF switch	No
suitability for use safety switch	Yes
suitability for use maintenance/repair switch	Yes
Product details	160
	No
product feature can be locked into OFF position accessories	INU
product extension optional	N.
motor drive	No
voltage trigger	No
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 NO contacts for auxiliary contacts	0
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	
number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum Short circuit conditional short-circuit current with line-side fuse	
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection	0
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value	0
number of connectable NO contacts for auxiliary contacts attachable maximum number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch	0 50 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 V for combination switch + gG fuse maximum	0 50 kA 3.5 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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	0 50 kA 3.5 kA 3.5 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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  permissible	0 50 kA 3.5 kA 3.5 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value with closed switch	50 kA  3.5 kA  3.5 kA  4 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum	50 kA  3.5 kA  3.5 kA  4 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum permissible	50 kA  3.5 kA 3.5 kA 4 kA  4 kA2.s
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 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	50 kA  3.5 kA  3.5 kA  4 kA  4 kA  4 kA  4 kA  4 kA  4 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value 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  • at 690 V for combination switch + gG fuse maximum	50 kA  3.5 kA 3.5 kA 4 kA 4 kA 4 kA2.s 4 kA2.s
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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  permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  permissible  l2t value 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  • 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	50 kA  3.5 kA 3.5 kA 4 kA  4 kA2.s 4 kA2.s 4 kA2.s 7 tuse gL/gG: 25 A
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 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  l2t value 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  • 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  • at 690 V for combination switch + gG fuse maximum	50 kA  3.5 kA  3.5 kA  4 kA  4 kA  4 kA2.s  4 kA2.s  4 kA2.s  4 kA2.s
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 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  • 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  • 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	50 kA  3.5 kA  3.5 kA  4 kA  4 kA  4 kA2.s  4 kA2.s  4 kA2.s  4 kA2.s
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 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  l2t value 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  • at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  e at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  e at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  e at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  e at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  e at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum  o at 690 V for combination switch + gG fuse maximum	50 kA  3.5 kA 3.5 kA 4 kA  4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A  25 A
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 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  l2t value 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	50 kA  3.5 kA 3.5 kA 4 kA  4 kA  4 kA  50 kA  4 kA  4 kA  4 kA  50 kA  6 kA  6 kA  6 kA  6 kA  7 kA  7 kA  8 kA  8 kA  8 kA  9 kA  9 kA  10 kA
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • at 690 V by gG fuse rated value  let-through current with closed switch  • at 240 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  l2t value 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	50 kA  3.5 kA 3.5 kA 4 kA2.s 4 kA2.s 4 kA2.s fuse gL/gG: 25 A fuse gL/gG: 10 A 25 A
number of connectable NO contacts for auxiliary contacts attachable maximum  number of connectable CO contacts for auxiliary contacts attachable maximum  Short circuit  conditional short-circuit current with line-side fuse protection  • 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 permissible  l2t value with closed switch  • at 240 V for combination switch + gG fuse maximum  • at 440 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	50 kA  3.5 kA 3.5 kA 4 kA 4 kA  4 kA2.s 4 kA2.s 5 kA 4 kA2.s 4 kA2.s  4 kA2.s  6 kA2.s  1 kA2.s  1 kA2.s

value         RKS           AWG number as coded connectable conductor cross section sold maximum         8           e         14           type of connectable conductor cross-sections for copper conductor         X (1,516mm²)           e sold         1x (1,516mm²)           e finely stranded with core end processing         1x (1,516mm²)           e sold         1x (1,516mm²)           e stranded         1x (1,516mm²)           type of connectable conductor cross-sections for auxillary         a lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)           e solid         lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)         a stranded with core end processing           e finely stranded with core end processing         lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)         a strander           e stranded         b stranded         b stranded swith core end processing         b strander         b strander           e stranded         b stranded swith core end processing         b strander         b strander         c (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)         t 4 4 mm²; front auxiliary switch 1x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)         t 4 mm²; front auxiliary switch 1x (0,75 2,5mm²)         t 4 mm²; front auxiliary switch	continuous current of upstream fuse according to UL rated	50 A
AWG number as coded connectable conductor cross section solid maximum  • 14  type of connectable conductor cross-sections for copper conductor • solid • finely stranded with core end processing • stranded  1x (1,516mm²) • strander  1x (1,516m		•
AWG number as coded connectable conductor cross section solid maximum    *	type of fuse according to UL	RK5
section solid maximum  • 0 8 • 14  type of connectable conductor cross-sections for copper conductor  • solid • (niew) stranded with core end processing • stranded  type of connectable conductor cross-sections for auxiliary stranded with core end processing • stranded  type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing • solid • finely stranded with core end processing • stranded  internal auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x (0,75 2,5mm²) • stranded  internal auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm², front auxiliary switch 1x (0,75 2,5mm²)  type of electrical connection • for main current circuit • for main current circuit • for main current circuit • for auxiliary contacts  to connection terminals  tocharical Design  twitth  depth  internal auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x (0,75 2,5mm²)  type of device fastening method  for auxiliary contacts  internal auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x (0,75 2,5mm²)  type of device fauxiliary contacts  connection terminals  tocharical Design  type of device fastening method  fixed mounting  internal auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x (0,75 2,5mm²)  type of device fastening method  fixed mounting  internal auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x (0,75 2,5mm²), 1	Connections	
type of connectable conductor cross-sections for copper conductor  • solid 1x (1,516mm²)  • inely stranded with core end processing 1x (1,516mm²)  • stranded 1x (1,516mm²)  type of connectable conductor cross-sections for auxiliary contacts  • solid 2x (1,516mm²)  • finely stranded with core end processing 2x (1,752,5mm²)  • finely stranded with core end processing 3x (1,752,5mm²)  • stranded 3x (1,752,5mm²)  • stranded 4x (1,752,5mm²)  • stranded 5x (1,752,5mm²)  • stranded 5x (1,752,5mm²)  • stranded 6x (1,752,5mm²)  • stranded 1x (1,752,5mm²)		
type of connectable conductor cross-sections for copper conductor  solid finely stranded with core end processing stranded  type of connectable conductor cross-sections for auxiliary contacts  solid finely stranded with core end processing stranded  type of connectable conductor cross-sections for auxiliary contacts  stranded  finely stranded with core end processing finely stranded with core end processing stranded  stranded  type of electrical connection  type of electrical connection  stranded  type of electrical connect	•	8
conductor         1x (1,516mm²)           6 solid         1x (1,516mm²)           6 finely stranded with core end processing         1x (1,516mm²)           4 type of connectable conductor cross-sections for auxiliary contacts         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 2,5mm²), 1x 2,5mm², front auxiliary switch 1x 2,5mm²           • stranded         lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x 2,5mm²           • stranded connection         lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm², front auxiliary switch 1x 2,5mm²           • for main current circuit         box terminal           • for main current circuit         box terminal           • for auxiliary contacts         connection terminals           violental Design         188 mm           width         146 mm           depth         149 mm           type of device         fixed mounting           fastening method         60 method           • A-hole front mounting         No           • rail mounting         No           • rail mounting         894 g           toriviornmen	•	14
• finely stranded with core end processing • stranded  type of connectable conductor cross-sections for auxillary contacts  • solid  • finely stranded with core end processing • stranded • finely stranded with core end processing • stranded • for main current circuit • for main current circuit • for main current circuit • for auxiliary contacts • connection terminals • stranded • stran		
• stranded 1x (1,516mm²)  type of connectable conductor cross-sections for auxillary contacts  • solid lateral auxilliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • finely stranded with core end processing lateral auxilliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x 2,5mm²  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; 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)  • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary swit	• solid	1x (1,516mm²)
type of connectable conductor cross-sections for auxillary contacts  • solid • solid • finely stranded with core end processing • stranded • stranded • stranded • stranded • for main current circuit • for main current circuit • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • fo	<ul> <li>finely stranded with core end processing</li> </ul>	1x (1,510mm²)
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 1,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • stranded lateral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for main current circuit box terminal  • for auxiliary contacts connection terminals  • for auxiliary contacts  • connection terminals  • for auxiliary contacts  • connection terminals  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • takeral auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (0,75 2,5mm²)  • for main current circuit  • for auxiliary switch 2x (0,75 2,5mm²), 1x 4mm²; front auxiliary switch 1x (2,5mm²)  • box terminal  • for main current circuit  • box terminal  • 188 mm  • 189 mm	stranded	1x (1,516mm²)
• finely stranded with core end processing • finely stranded with core end processing  • stranded  • stranded  • stranded  • stranded    lateral auxiliary switch 2x (0,75 1,5mm²), 1x 2,5mm²; front auxiliary switch 1x (0,75 2,5mm²)    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   • for auxiliary contacts   box terminal   • for auxiliary contacts   box terminals   box		
Stranded  Stran	• solid	
type of electrical connection	finely stranded with core end processing	
• for main current circuit         box terminal           • for auxiliary contacts         connection terminals           fleechanical Design         Free Chanical Design           height         188 mm           width         146 mm           depth         149 mm           type of device         fixed mounting           fastening method         Complete unit in enclosure           • 4-hole front mounting         No           • front mounting with central attachment         Yes           • rail mounting         No           net weight         894 g           strivironmental conditions         Sector           ambient temperature during operation         - 25 °C           • maximum         -25 °C           • minimum         - 25 °C           • maximum         55 °C	• stranded	
• for auxiliary contacts  connection terminals  fechanical Design  height 188 mm  width 146 mm  depth 149 mm  type of device fixed mounting fastening method Complete unit in enclosure  fastening method No  • 4-hole front mounting No  • front mounting with central attachment Yes  • rail mounting  net weight 894 g  trivironmental conditions  ambient temperature during operation  • minimum  • maximum  ambient temperature during storage  • minimum  • minimum  • 25 °C  ambient temperature during storage  • minimum  • 25 °C  ambient temperature during storage  • minimum  • minimum  • 25 °C  ambient temperature during storage  • minimum  • minimum  • 25 °C  ambient temperature during storage  • minimum  • minimum  • 25 °C  ambient temperature during storage  • minimum  • minimum  • 25 °C	type of electrical connection	
height 188 mm width 146 mm depth 149 mm type of device fixed mounting fastening method Complete unit in enclosure fastening method Yes front mounting with central attachment Yes rail mounting No net weight 894 g  invironmental conditions  ambient temperature during operation	for main current circuit	box terminal
height         188 mm           width         146 mm           depth         149 mm           type of device         fixed mounting           fastening method         Complete unit in enclosure           e 4-hole front mounting         No           e front mounting with central attachment         Yes           e rail mounting         No           net weight         894 g           environmental conditions         Soc           ambient temperature during operation         -25 °C           e maximum         -25 °C           ambient temperature during storage         Soc           e minimum         -25 °C           e minimum         -55 °C           e maximum         55 °C	<ul> <li>for auxiliary contacts</li> </ul>	connection terminals
width depth  149 mm  type of device fastening method  • 4-hole front mounting • front mounting with central attachment • rail mounting  nethod  • an il mounting • rail mounting • rail mounting • minimum • minimum • maximum  • minimum • 55 °C  ambient temperature during storage • minimum • minimum • minimum • 25 °C • maximum • minimum • 55 °C	Mechanical Design	
type of device fastening method fastening method  • 4-hole front mounting • front mounting with central attachment • rail mounting  net weight  minimum • maximum  • minimum • maximum  • minimum • minimum • maximum • minimum • maximum • 55 °C  ambient temperature during storage • minimum • maximum • maximum • 7-25 °C	height	188 mm
fastening method fastening method  • 4-hole front mounting • front mounting with central attachment • rail mounting  net weight  • minimum • maximum  • minimum • maximum  • c25 °C  • maximum  • maximum  • c25 °C  • maximum  • maximum  • c25 °C  • maximum  • c25 °C  • maximum  • c25 °C  • maximum  • maximum  • c25 °C  • maximum  • c25 °C  • maximum  • c25 °C	width	146 mm
fastening method  • 4-hole front mounting • front mounting with central attachment • rail mounting  net weight  invironmental conditions  ambient temperature during operation • maximum • minimum • c25 °C  ambient temperature during storage • minimum • minimum • -25 °C  ambient temperature during storage • minimum • minimum • -25 °C  ambient temperature during storage • minimum • minimum • -25 °C	depth	149 mm
fastening method  • 4-hole front mounting • front mounting with central attachment • rail mounting  net weight  **movironmental conditions**  **ambient temperature during operation • minimum • maximum  **specific conditions**  **ambient temperature during storage • minimum • minimum • -25 °C  **ambient temperature during storage • minimum • -25 °C  **ambient temperature during storage • minimum • -25 °C  **ambient temperature during storage • minimum • -25 °C  **ambient temperature during storage • minimum • -25 °C	type of device	fixed mounting
4-hole front mounting     front mounting with central attachment     rail mounting     No  net weight     894 g  invironmental conditions  ambient temperature during operation     minimum     -25 °C  maximum  storage  minimum     -25 °C  ambient temperature during storage  minimum     -25 °C	fastening method	Complete unit in enclosure
front mounting with central attachment     rail mounting     No  net weight     894 g  invironmental conditions  ambient temperature during operation     minimum     -25 °C     maximum     55 °C  ambient temperature during storage     minimum     -25 °C  ambient temperature during storage	fastening method	
● rail mounting No   net weight 894 g   Invironmental conditions   ambient temperature during operation -25 °C   ● maximum 55 °C   ambient temperature during storage -25 °C   ● minimum -25 °C   ● maximum -55 °C	4-hole front mounting	No
net weight  invironmental conditions  ambient temperature during operation  invironmental conditions  ambient temperature during operation  invironmental conditions  -25 °C  ambient temperature during storage  invironmental conditions  -25 °C  ambient temperature during storage  invironmental conditions  -25 °C  ambient temperature during storage  invironmental conditions	<ul> <li>front mounting with central attachment</li> </ul>	Yes
ambient temperature during operation  • minimum  • maximum  55 °C  ambient temperature during storage  • minimum  • maximum  -25 °C  • maximum  55 °C	rail mounting	No
ambient temperature during operation  • minimum  • maximum  55 °C  ambient temperature during storage  • minimum  • maximum  -25 °C  • maximum  55 °C	net weight	894 g
<ul> <li>minimum</li> <li>-25 °C</li> <li>maximum</li> <li>55 °C</li> <li>ambient temperature during storage</li> <li>minimum</li> <li>-25 °C</li> <li>maximum</li> <li>55 °C</li> </ul>	Environmental conditions	
<ul> <li>maximum</li> <li>ambient temperature during storage</li> <li>minimum</li> <li>maximum</li> <li>maximum</li> <li>55 °C</li> </ul>	ambient temperature during operation	
ambient temperature during storage       ● minimum     -25 °C       ● maximum     55 °C	• minimum	-25 °C
<ul> <li>minimum</li> <li>-25 °C</li> <li>maximum</li> <li>55 °C</li> </ul>	• maximum	55 °C
• maximum 55 °C	ambient temperature during storage	
	• minimum	-25 °C
pprovals Certificates	• maximum	55 °C
	Approvals Certificates	

#### **General Product Approval**







Confirmation





**General Product Approval** 

**Test Certificates** 

Marine / Shipping

other

Miscellaneous



Miscellaneous



Confirmation

other Environment

Miscellaneous

Environmental Confirmations

Environmental Confirmations

#### Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3LD2165-7UB01}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3LD2165-7UB01

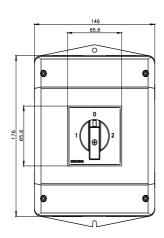
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> en.aspx?mlfb=3LD2165-7UB01

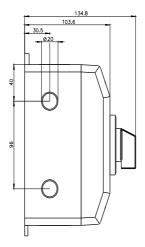
CAx-Online-Generator

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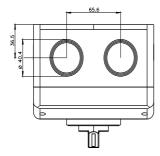
**Tender specifications** 

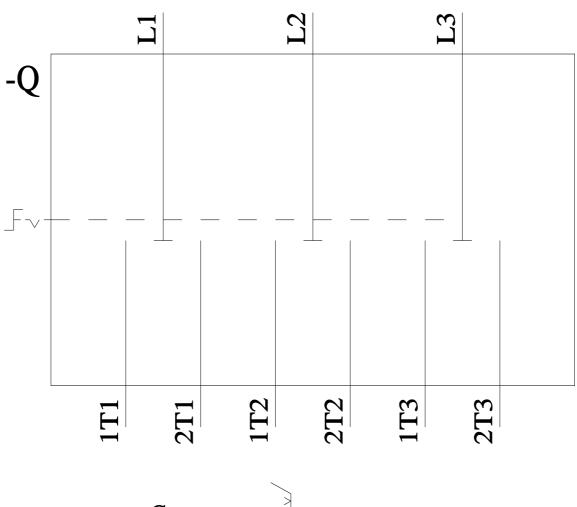
http://www.siemens.com/specifications

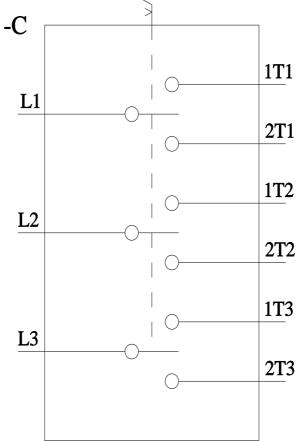












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