## **SIEMENS**

## **Data sheet**

3VL4740-1DC36-0AB1

circuit breaker VL400N standard breaking capacity Icu=55kA, 415V AC 3-pole, line protection trip unit TM, LI In=400A, rated current IR=320...400A, overload protection, II=2000...4000A, short-circuit protection

ype of the driving mechanism / motor drive design of the overcurrent release TM  General technical data  number of poles 3 size of the circuit-breaker 3VL4 mechanical service life (switching cycles) / typical 20 000 electrical endurance (switching cycles) / typical 10 000 utilization category A performance class for circuit breaker N reference code / acc. to INE / 750 performance class for circuit breaker N reference code / acc. to INE / 750 performance class for circuit breaker N reference code / acc. to INE / 750 performance disas for circuit breaker N reference code / acc. to INE / 750 performance disas for circuit breaker N reference code / acc. to INE / 750 performance disas for circuit breaker N reference code / acc. to INE / 750 performance vice vice vice vice vice vice vice vi	Model	
Central technical data number of poles 3 size of the circuit-breaker mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical utilization category A performance class for circuit breaker N reference code / acc. to INI 40719 extended according to IEC 204-2 / acc. to IEC 750 operating frequency / maximum Voltage Rated operational voltage Ue / max. Sisulation voltage • rated value • at AC / rated value surge voltage resistance / rated value • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 50	type of the driving mechanism / motor drive	No
number of poles   Size of the circuit-breaker   Sive of the circ	design of the overcurrent release	TM
size of the circuit-breaker mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical performance class for circuit breaker reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 performance class for circuit breaker reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 performance class for circuit breaker reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 performance class for circuit breaker reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 performance class for circuit / according to IEC 204-2 / acc. to IEC 750 Polytago Rated operational voltage U / max. 690 V situate	General technical data	
mechanical service life (switching cycles) / typical electrical endurance (switching cycles) / typical 10 000 utilization category A performance class for circuit breaker reference code / acc. to DIN 40719 extended according to PCC 204-2/ acc. to IEC 750 operating frequency / maximum 120 1/s  Votage Rated operational vottage Ue / max.  insulation vottage • rated value • at AC / rated value • at AC / rated value  of main current circuit / at AC / at 50 Hz / maximum  of main current circuit / at AC / at 60 Hz / maximum  of main current circuit / at AC / at 60 Hz / maximum  of main current circuit / at AC / at 60 Hz / maximum  of main current circuit / at AC / at 60 Hz / maximum  of main current circuit / at AC / at 60 Hz / maximum  of main current circuit / at AC / at 60 Hz / maximum  of or main current circuit / at AC / at 60 Hz / maximum  of or main current circuit / at AC / at 60 Hz / maximum  of or main current circuit / at AC / at 60 Hz / maximum  of or main current circuit / at AC / at 60 Hz / maximum  of or main current circuit / at AC / at 60 Hz / maximum  of or main current circuit / at DC / maximum  of or main current circuit / at DC / maximum  of or main current circuit / at DC / maximum  of or main current circuit / at DC / maximum  of or main current circuit / at DC / maximum  of or main current circuit / at DC / maximum  of or main current / rated value  derating temperature / for the rated value of the  continuous current / rated value  of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  1 / rated value  of instantaneous short-circuit trip unit / full-scale value  operating frequency  1 / rated value  of correct value	number of poles	3
electrical endurance (switching cycles) / typical   10 000   utilization category   A   A   A   A   A   A   A   A   A	size of the circuit-breaker	3VL4
utilization category performance class for circuit breaker reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 operating frequency / maximum 120 1/s  Voltago Rated operational voltage Ue / max. 690 V insulation voltage • rated value • at AC / rated value • at AC / rated value • at AC / rated value • rated value / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current / at DC / at 60 Hz / at 60 Hz / at 60 Hz / at 60 C / rated value • at 60 °C / rated value • at 60 °C / rated value • at 65 °C / rated value	mechanical service life (switching cycles) / typical	20 000
performance class for circuit breaker reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 operating frequency / maximum // voltage Rated operational voltage Ue / max. insulation voltage • rated value • at AC / rated value • at AC / rated value • rated value / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum  • for the current function of the overcurrent release  LI  Current  continuous current / rated value  derating temperature / for the rated value of the continuous current • of the current-dependent overload release / full- scale value • of instantaneous short-circuit trip unit / full-scale value  of instantaneous short-circuit trip unit / full-scale value  of instantaneous short-circuit trip unit / full-scale value  1 / rated value  of instantaneous short-circuit trip unit / full-scale value  of instantaneous short-circuit trip unit / full-scale value  of circuit  operating frequency  1 / rated value  ot 1 / rated value  ot 2 / rated value  ot 37 / rated value  ot 37 / rated value  ot 37 / rated value  ot 60 / C / rated value	electrical endurance (switching cycles) / typical	10 000
Telegrace Code / acc. to DIN 40719 extended according to IEC 204-2/ acc. to IEC 750	utilization category	A
perating frequency / maximum  Voltage  Rated operational voltage Ue / max.  insulation voltage  • rated value • at AC / rated value • at AC / rated value • rated value / maximum  • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • for main current / rated value • for main current / rated value of the continuous current / rated value • for the current elease  Current  odjustable current esponse value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale • of instantaneous short-circuit trip unit / full-scale • of the current elease / full-scale value • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / full-scale • of or instantaneous short-circuit trip unit / ful	performance class for circuit breaker	N
Rated operational voltage Ue / max. 690 V insulation voltage • rated value 800 V surge voltage resistance / rated value 800 V operating voltage • rated value / maximum 690 V • for main current circuit / at AC / at 50 Hz / maximum 690 V • for main current circuit / at AC / at 60 Hz / maximum 690 V • for main current circuit / at DC / maximum 690 V • for main current circuit / at DC / maximum 690 V • for main current circuit / at DC / maximum 690 V • for main current circuit / at DC / maximum 690 V  Protection class protection class IP protection function of the overcurrent release  LI  Current  continuous current / rated value 400 A derating temperature / for the rated value of the continuous current adjustable current response value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • 2 / rated value • at 40 °C / rated value • at 60 °C / rated value	· ·	Q
Rated operational voltage Ue / max.  insulation voltage  • rated value  • at AC / rated value  • rated value / sk kV  operating voltage resistance / rated value  • for main current circuit / at AC / at 50 Hz / maximum  • for main current circuit / at AC / at 60 Hz / maximum  • for main current circuit / at DC / maximum  • for main current circuit / at DC / maximum  • for main current circuit / at DC / maximum  • for main current circuit / at DC / maximum  • for main current circuit / at DC / maximum  • of or main current circuit / at DC / maximum  • of or main current circuit / at DC / maximum  • oo v  Protection class  protection class IP  protection function of the overcurrent release  LI  Current  continuous current / rated value  • derating temperature / for the rated value of the continuous current  • of the current response value current  • of the current-dependent overload release / full-scale value  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale  • of instantaneous short-circuit trip unit / full-scale  • 1 / rated value  • 1 / rated value  • 2 / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 60 °C / rated value	operating frequency / maximum	120 1/s
insulation voltage	Voltage	
• rated value     • at AC / rated value     • at AC / rated value     surge voltage resistance / rated value     operating voltage     • rated value / maximum     • for main current circuit / at AC / at 50 Hz / maximum     • for main current circuit / at AC / at 60 Hz / maximum     • for main current circuit / at DC / maximum     • for main current circuit / at DC / maximum     • for main current circuit / at DC / maximum     • for main current circuit / at DC / maximum     • for main current circuit / at DC / maximum     • for main current circuit / at DC / maximum     500 V  Protection class  protection class IP     protection function of the overcurrent release     LI  Current  continuous current / rated value     derating temperature / for the rated value of the continuous current     adjustable current response value current      • of the current-dependent overload release / full-scale value     • of instantaneous short-circuit trip unit / initial value     • of instantaneous short-circuit trip unit / full-scale     value  Main circuit  operating frequency     • 1 / rated value     • 2 / rated value     • 2 / rated value     • 2 / rated value     • at 40 °C / rated value     • at 50 °C / rated value     • at 50 °C / rated value     • at 55 °C / rated value     • at 60 °C / rated value	Rated operational voltage Ue / max.	690 V
at AC / rated value  surge voltage resistance / rated value  perating voltage  rated value / maximum  for main current circuit / at AC / at 50 Hz / maximum  for main current circuit / at AC / at 60 Hz / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for main current circuit / at DC / maximum  for waximum  for waximum  for waximum  for V  Protection class  protection class IP  protection current  protection class IP  protection class IP  protection class IP  protection current  protection class IP  protection current  protection current  protection class IP  protection current  protection current  protection class IP  protection current  protection current  protection current  protection curr	insulation voltage	
surge voltage resistance / rated value operating voltage • rated value / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum  500 V  Protection class  protection function of the overcurrent release  LI  Current  continuous current / rated value derating temperature / for the rated value of the continuous current adjustable current response value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  10 of maximum value 11 value 12 value 12 value 13 value 14 value 15 value 16 value 16 value 17 rated value 18 value 19 value 10 va	rated value	800 V
operating voltage  • rated value / maximum  • for main current circuit / at AC / at 50 Hz / maximum  • for main current circuit / at AC / at 60 Hz / maximum  • for main current circuit / at DC / maximum  • for main current circuit / at DC / maximum  • 500 V  Protection class  protection class IP  protection function of the overcurrent release  LI  Current  continuous current / rated value  • derating temperature / for the rated value of the continuous current  adjustable current response value current  • of the current-dependent overload release / full-scale value  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / linitial value  • of instantaneous short-circuit trip unit / full-scale  value  Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  • 2 / rated value  • 2 / rated value  • 30 Hz  operational current  • at 40 °C / rated value  • at 50 °C / rated value  • at 50 °C / rated value  • at 60 °C / rated value	at AC / rated value	800 V
• rated value / maximum • for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at DC / maximum • for main current circuit / at DC / maximum • 500 V  Protection class  protection class IP protection function of the overcurrent release  LI  Current continuous current / rated value • derating temperature / for the rated value of the continuous current adjustable current response value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • 30 Hz  operational current • at 40 °C / rated value • at 50 °C / rated value • 372 A • at 60 °C / rated value	surge voltage resistance / rated value	8 kV
• for main current circuit / at AC / at 50 Hz / maximum • for main current circuit / at AC / at 60 Hz / maximum • for main current circuit / at DC / maximum 500 V  Protection class protection class IP protection function of the overcurrent release  LI  Current  continuous current / rated value derating temperature / for the rated value of the continuous current adjustable current response value current • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • at 40 °C / rated value • at 60 °C / rated value	operating voltage	
for main current circuit / at AC / at 60 Hz / maximum     for main current circuit / at DC / maximum     for over main current circuit / at DC / maximum     fon wain current circuit / at DC / maximum     fon verticulars  protection class IP  protection function of the overcurrent release  LI  Current  continuous current / rated value  derating temperature / for the rated value of the continuous current  adjustable current response value current  of the current-dependent overload release / full-scale value  of instantaneous short-circuit trip unit / initial value  of instantaneous short-circuit trip unit / full-scale value  full-scale value  operating frequency  1 / rated value  2 / rated value  5 / rated value  operational current  at 40 °C / rated value  at 50 °C / rated value  at 55 °C / rated value  at 60 °C / rated value	<ul><li>rated value / maximum</li></ul>	690 V
• for main current circuit / at DC / maximum  Protection class  protection class IP  protection function of the overcurrent release  LI  Current  continuous current / rated value  derating temperature / for the rated value of the continuous current response value current  • of the current-dependent overload release / full- scale value  • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  • 1 / rated value • 2 / rated value  • 2 / rated value  • at 40 °C / rated value • at 50 °C / rated value • at 60 °C / rated value	• for main current circuit / at AC / at 50 Hz / maximum	690 V
protection class IP protection function of the overcurrent release  LI  Current  continuous current / rated value derating temperature / for the rated value of the continuous current  • of the current-dependent overload release / full-scale value • of instantaneous short-circuit trip unit / initial value • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency • 1 / rated value • 2 / rated value • 2 / rated value • 30 / C / rated value • at 50 ° C  50 / C  5	• for main current circuit / at AC / at 60 Hz / maximum	690 V
protection class IP protection function of the overcurrent release  LI  Current  continuous current / rated value  derating temperature / for the rated value of the continuous current  of the current response value current  of the current-dependent overload release / full-scale value  of instantaneous short-circuit trip unit / initial value  of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  1 / rated value  2 / rated value  5 / rated value  6 / Hz  operational current  at 40 °C / rated value  at 55 °C / rated value  at 55 °C / rated value  at 60 °C / rated value  at 60 °C / rated value  at 65 °C / rated value  372 A  at 65 °C / rated value  372 A  at 65 °C / rated value  374 A	<ul><li>for main current circuit / at DC / maximum</li></ul>	500 V
protection function of the overcurrent release  Current  continuous current / rated value  derating temperature / for the rated value of the continuous current  adjustable current response value current  • of the current-dependent overload release / full-scale value  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale value  • of instantaneous short-circuit trip unit / full-scale value  • of instantaneous short-circuit trip unit / full-scale value  • 1 / rated value  • 2 / rated value  • 2 / rated value  • 30 °C   400 A  • at 40 °C / rated value  • at 40 °C / rated value  • at 55 °C / rated value  • at 55 °C / rated value  • at 60 °C / rated value  • at 60 °C / rated value  • at 60 °C / rated value  • at 65 °C / rated value	Protection class	
Courrent  continuous current / rated value  derating temperature / for the rated value of the continuous current  adjustable current response value current  • of the current-dependent overload release / full-scale value  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  • 2 / rated value  operational current  • at 40 °C / rated value  • at 50 °C / rated value  • at 50 °C / rated value  • at 50 °C / rated value  • at 60 °C / rated value  • at 60 °C / rated value  • at 60 °C / rated value  • at 65 °C / rated value	protection class IP	IP20
continuous current / rated value 400 A  derating temperature / for the rated value of the continuous current  adjustable current response value current  • of the current-dependent overload release / full-scale value  • of instantaneous short-circuit trip unit / initial value  • of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  • at 40 °C / rated value  • at 40 °C / rated value  • at 55 °C / rated value  • at 65 °C / rated value  • at 63 °C / rated value  • at 63 °C / rated value  • at 65 °C / rated value  • at 63 °C / rated value  • at 63 °C / rated value  • at 65 °C / rated value	protection function of the overcurrent release	LI
derating temperature / for the rated value of the continuous current  adjustable current response value current  of the current-dependent overload release / full-scale value  of instantaneous short-circuit trip unit / initial value  of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency  1 / rated value  2 000 A  4 000 A  Main circuit  operating frequency  1 / rated value  60 Hz  operational current  at 40 °C / rated value  at 50 °C / rated value  at 55 °C / rated value  at 65 °C / rated value  372 A  at 65 °C / rated value  344 A	Current	
continuous current  adjustable current response value current  of the current-dependent overload release / full-scale value  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency of 1 / rated value of 2 / rated value operational current otat 40 °C / rated value otat 50 °C / rated value otat 50 °C / rated value otat 60 °C / rated value	continuous current / rated value	400 A
of the current-dependent overload release / full-scale value  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency operating frequency operational current operational current otat 40 °C / rated value otat 50 °C / rated value otat 55 °C / rated value otat 60 °C / rated value		50 °C
scale value  of instantaneous short-circuit trip unit / initial value of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency operating value  50 Hz operational current operational curren	adjustable current response value current	
of instantaneous short-circuit trip unit / full-scale value  Main circuit  operating frequency		400 A
value  Main circuit  operating frequency  • 1 / rated value  • 2 / rated value  • 60 Hz  operational current  • at 40 °C / rated value  • at 50 °C / rated value  • at 55 °C / rated value  • at 65 °C / rated value	• of instantaneous short-circuit trip unit / initial value	2 000 A
operating frequency  • 1 / rated value  • 2 / rated value  60 Hz  operational current  • at 40 °C / rated value  • at 50 °C / rated value  • at 55 °C / rated value  • at 65 °C / rated value  • at 65 °C / rated value  372 A  • at 65 °C / rated value  344 A	·	4 000 A
	Main circuit	
● 2 / rated value  operational current  ● at 40 °C / rated value  ● at 50 °C / rated value  ● at 55 °C / rated value  ● at 60 °C / rated value  ● at 65 °C / rated value  ■ 372 A  ■ at 65 °C / rated value  ■ 344 A	operating frequency	
operational current  • at 40 °C / rated value 400 A  • at 50 °C / rated value 400 A  • at 55 °C / rated value 372 A  • at 60 °C / rated value 372 A  • at 65 °C / rated value 344 A	• 1 / rated value	50 Hz
<ul> <li>at 40 °C / rated value</li> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>344 A</li> </ul>	• 2 / rated value	60 Hz
<ul> <li>at 50 °C / rated value</li> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>372 A</li> <li>at 65 °C / rated value</li> <li>344 A</li> </ul>	operational current	
<ul> <li>at 55 °C / rated value</li> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>372 A</li> <li>372 A</li> <li>344 A</li> </ul>	<ul><li>at 40 °C / rated value</li></ul>	400 A
<ul> <li>at 60 °C / rated value</li> <li>at 65 °C / rated value</li> <li>372 A</li> <li>344 A</li> </ul>	<ul> <li>at 50 °C / rated value</li> </ul>	400 A
• at 65 °C / rated value 344 A		372 A
	<ul> <li>at 60 °C / rated value</li> </ul>	372 A
• at 70 °C / rated value 344 A	• at 65 °C / rated value	344 A
	<ul> <li>at 70 °C / rated value</li> </ul>	344 A

Auxiliary circuit	
number of CO contacts / for auxiliary contacts	0
number of NC contacts / for auxiliary contacts	1
number of NO contacts / for auxiliary contacts	1
Suitability	
suitability for use	avetem protection
•	system protection
Adjustable parameters	000.4
adjustable current response value current / of the current- dependent overload release / initial value	320 A
Product details	
product component	
<ul><li>trip indicator</li></ul>	No
<ul><li>auxiliary switch</li></ul>	Yes
<ul><li>voltage trigger</li></ul>	No
<ul> <li>undervoltage release</li> </ul>	No
undervoltage release with leading contact	No
product extension / optional / motor drive	Yes
Product function	
product function	
<ul> <li>of thermal overload trip unit</li> </ul>	adjustable
<ul> <li>grounding protection</li> </ul>	No
<ul> <li>for neutral conductors / short-circuit and overload proof</li> </ul>	No
<ul> <li>overload protection</li> </ul>	Yes
Short circuit	
breaking capacity operating short-circuit current (Ics)	
at 240 V / rated value	65 kA
• at 415 V / rated value	55 kA
at 500 V / rated value	20 kA
<ul><li>at 690 V / rated value</li></ul>	8 kA
breaking capacity maximum short-circuit current (Icu)	
at 240 V / rated value	65 kA
at 415 V / rated value	55 kA
<ul><li>at 440 V / rated value</li></ul>	35 kA
<ul> <li>at 480 V / acc. to NEMA / rated value</li> </ul>	35 kA
<ul><li>at 500 V / rated value</li></ul>	25 kA
<ul> <li>at 600 V / acc. to NEMA / rated value</li> </ul>	20 kA
<ul><li>at 690 V / rated value</li></ul>	15 kA
Connections	
arrangement of electrical connectors / for main current circuit	front side
type of connectable conductor cross-sections / for main contacts	
with flexible busbar	25 x 10
solid	50 300 mm <sup>2</sup>
finely stranded / with core end processing	50 240 mm <sup>2</sup>
stranded     stranded	50 300 mm <sup>2</sup>
type of connectable conductor cross-sections / for auxiliary contacts	55 555 Hill
Solid	0.75 1.5 mm²
finely stranded / with core end processing	0.75 1.0 mm <sup>2</sup>
type of electrical connection / for main current circuit	screw-type terminals
Mechanical Design	os.on gpo terminato
-	279.5 mm
height width	139 mm
depth	163.5 mm
fastening method	fixed mounting
Environmental conditions	into a mountaing
Environmental conditions	

ambient temperature / during operation	
• minimum	0 °C
maximum	70 °C
ambient temperature / during storage	
• minimum	-40 °C
• maximum	80 °C
Certificates	
certificate of suitability	IEC, standard switching capacity (N)
reference code	
• acc. to DIN EN 61346-2	Q
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=3VL4740-1DC36-0AB1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) <a href="https://support.industry.siemens.com/cs/ww/en/ps/3VL4740-1DC36-0AB1">https://support.industry.siemens.com/cs/ww/en/ps/3VL4740-1DC36-0AB1</a>

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3VL4740-1DC36-0AB1

**Tender specifications** 

http://www.siemens.com/specifications

