



NCN450A



MCB 4P 10kA/15kA C-50A 4M

Technical properties

Arc	hi	tec	ctu	re
-----	----	-----	-----	----

Neutral position	without neutral
Number of protected poles	4
Number of poles	4 P
Type of pole	4 P
Fixing mode	Din-Rail
Curve	С
Functions	
Concurrently switching N-neutral	No
Configuration	
Number of modules	4
Connectivity	
Top connection alignement for modular devices	Aligned terminal
Bottom connection alignement for modular devices	Aligned terminal
Main electrical features	
Rated short circuit breaking capacity Icn AC according IEC60898-1	10 kA
Rated operational voltage Ue	400 V
Type of supply voltage	AC
Voltage	
Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V
Minimum threshold voltage (Ue min)	12 V
Electric current	
Rated current	50 A
Rated service breaking capacity Ics AC according IEC 60898-1	7.5 kA
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 ln
Magnetic regulating currrent	5 / 10 In
min/maxi threshold value of the DC magnetic operation	7 / 15 ln
min/maxi threshold value of the DC thermal operation	1.13 / 1.45 ln

Rating current -20°C according to IEC 60947 7.108 A. Rating current -25°C according to IEC 60947 66.12 A. Rating current -0°C according to IEC 60947 66.12 A. Rating current 0°C according to IEC 60947 62.14 A. Rating current 10°C according to IEC 60947 62.14 A. Rating current 10°C according to IEC 60947 60.75 A. Rating current 10°C according to IEC 60947 60.75 A. Rating current 20°C according to IEC 60947 7.59.34 A. Rating current 20°C according to IEC 60947 7.59.34 A. Rating current 30°C according to IEC 60947 7.59.34 A. Rating current 30°C according to IEC 60947 7.59.34 A. Rating current 30°C according to IEC 60947 7.59.34 A. Rating current 30°C according to IEC 60947 7.59.32 A. Rating current 30°C according to IEC 60947 7.59.32 A. Rating current 40°C according to IEC 60947 7.59.32 A. Rating current 40°C according to IEC 60947 7.59.32 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rating current 50°C according to IEC 60947 7.59.4 A. Rated short circuit breaking capacity Icn under 2000 A. Caccording IEC 60947.2 7.59.4 A. Rated short circuit breaking capacity Icn under 4000 A. Caccording IEC 60947.2 7.50.4 A. Rated ultimate short-circuit breaking capacity Icn under 4000 A. Caccording IEC 60947.2 7.50.4 A. Rated ultimate short-circuit breaking capacity Icn under 4000 A. Caccording IEC 60947.2 7.50.4 A. Rated ultimate short-circuit breaking capacity Icn under 4000 A. Caccording IEC 60947.2 7.50.4 A. Rated ultimate short-circuit breaking capacity Icn under 4000 A. Caccording IEC 60947.2 7.50.4 A. Rated ultimate short-circuit breaking capa	Rating current -10°C according to IEC 60947	67.39 A
69.87 A Rating current -25°C according to IEC 60947 71.08 A Rating current -5°C according to IEC 60947 66.12 A Rating current 10°C according to IEC 60947 62.14 A Rating current 10°C according to IEC 60947 62.14 A Rating current 10°C according to IEC 60947 62.14 A Rating current 15°C according to IEC 60947 60.75 A Rating current 20°C according to IEC 60947 59.34 A Rating current 20°C according to IEC 60947 59.34 A Rating current 30°C according to IEC 60947 56.4 A Rating current 30°C according to IEC 60947 53.29 A Rating current 30°C according to IEC 60947 53.29 A Rating current 40°C according to IEC 60947 53.29 A Rating current 45°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 63.49 A Rating current 70°C according to IEC 60947 63.40 A		68.64 A
Rating current -5°C according to IEC 60947 66.12 A Rating current 10°C according to IEC 60947 64.82 A Rating current 10°C according to IEC 60947 62.14 A Rating current 20°C according to IEC 60947 62.14 A Rating current 20°C according to IEC 60947 59.34 A Rating current 20°C according to IEC 60947 57.89 A Rating current 30°C according to IEC 60947 54.87 A Rating current 35°C according to IEC 60947 54.87 A Rating current 35°C according to IEC 60947 54.87 A Rating current 40°C according to IEC 60947 53.29 A Rating current 45°C according to IEC 60947 53.29 A Rating current 50°C according to IEC 60947 53.29 A Rating current 50°C according to IEC 60947 53.49 A Rating current 50°C according to IEC 60947 50.0 A Rating current 50°C according to IEC 60947 47.99 A Rating current 50°C according to IEC 60947 47.99 A Rating current 50°C according to IEC 60947 47.99 A Rating current 50°C according to IEC 60947 43.7 A Rating current 50°C according to IEC 60947 43.8 A Rating current 50°C according to IEC 60947 43.8 A Rated short circuit breaking capacity Icn under 230V AC according IEC 60988-1 10 KA Rated short circuit breaking capacity Icn under 230V AC according IEC 60989-1 10 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60947-2 30 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60947-2 30 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60947-2 30 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60947-2 30 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 15 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60947-2 15 KA Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60947-2 15 KA Rated ultimate short-circuit breaking capacity Icn under 220V AC IEC 60947-2 15 KA Rateng current -		69.87 A
Rating current 0°C according to IEC 60947 Rating current 10°C according to IEC 60947 Rating current 10°C according to IEC 60947 Rating current 10°C according to IEC 60947 Rating current 20°C according to IEC 60947 Rating current 20°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC 60898-1 10 kA Rated short circuit breaking capacity Icn under 400V AC according IEC 609947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultima		71.08 A
Rating current 10°C according to IEC 60947 Rating current 20°C according to IEC 60947 Rating current 20°C according to IEC 60947 Rating current 25°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 35°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC 60988-1 Rated ultimate short-circuit breaking capacity Icn under 400V AC according IEC 60987-2 Rated ultimate short-circuit breaking capacity Icn under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate s	Rating current -5°C according to IEC 60947	66.12 A
Rating current 15°C according to IEC 60947 Rating current 20°C according to IEC 60947 Rating current 25°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 30°C according to IEC 60947 Rating current 35°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 2300 AC according IEC 60988-1 Rated ultimate short-circuit breaking capacity Icn under 4000 AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 2000 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 2000 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 2000 AC IEC 60947-2 Rated behort circuit breaking capacity Icn under 4000 AC IEC 60947-2 Rated short circuit breaking capacity Icn under 4000 AC IEC 60947-2 Rated short circuit breaking capacity Icn under 4000 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 2004 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 2004 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 4000 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 2004 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 4000 AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 4000 AC IEC 60947-2 Ratin	Rating current 0°C according to IEC 60947	64.82 A
Rating current 20°C according to IEC 60947 59.34 A Rating current 25°C according to IEC 60947 57.89 A Rating current 30°C according to IEC 60947 56.4 A Rating current 35°C according to IEC 60947 54.87 A Rating current 40°C according to IEC 60947 53.29 A Rating current 45°C according to IEC 60947 51.67 A Rating current 5°C according to IEC 60947 51.67 A Rating current 5°C according to IEC 60947 51.67 A Rating current 5°C according to IEC 60947 50.0 A Rating current 5°C according to IEC 60947 50.0 A Rating current 5°C according to IEC 60947 47.99 A Rating current 60°C according to IEC 60947 47.99 A Rating current 60°C according to IEC 60947 47.99 A Rating current 65°C according to IEC 60947 41.38 A Rated short circuit breaking capacity Icn under 230V AC according IEC 60947 41.38 A Rated short circuit breaking capacity Icn under 400V AC according IEC 60988-1 10 kA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated short circuit breaking capacity Icn under 415V AC IEC 60947-2 15 kA Rated short circuit breaking capacity Icn under 415V AC IEC 60947-2 15 kA Rated short circuit breaking capacity Icn under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking	Rating current 10°C according to IEC 60947	62.14 A
Rating current 25°C according to IEC 60947 57.89 A Rating current 30°C according to IEC 60947 56.4 A Rating current 35°C according to IEC 60947 54.87 A Rating current 40°C according to IEC 60947 53.29 A Rating current 45°C according to IEC 60947 51.67 A Rating current 45°C according to IEC 60947 51.67 A Rating current 5°C according to IEC 60947 63.49 A Rating current 5°C according to IEC 60947 70.0 A Rating current 5°C according to IEC 60947 70.0 A Rating current 55°C according to IEC 60947 70.0 A Rating current 60°C according to IEC 60947 70.0 A Rating current 60°C according to IEC 60947 70.0 A Rating current 60°C according to IEC 60947 70.0 A Rating current 70°C according to IEC 60947 70.0 A Rated short circuit breaking capacity Icn under 230V AC according IEC 60947 70.0 A Rated short circuit breaking capacity Icn under 400V AC according IEC 60988-1 10.0 KA Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 30.0 KA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 30.0 KA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15.0 KA Rated short circuit breaking capacity Icu under 415V AC IEC 60947-2 15.0 KA Rated short circuit breaking capacity Icu under 415V AC IEC 60947-2 15.0 KA Rated short circuit breaking capacity Icu under 415V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 415V AC according IEC 60898-1 10.0 KA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15.0 KA Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15.0 KA R	Rating current 15°C according to IEC 60947	60.75 A
Rating current 30°C according to IEC 60947 Rating current 35°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC 60989-1 Rated short circuit breaking capacity Icn under 400V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60988-1 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60988-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60987-2 Rated ultimate short-circuit breaking capacity Icu under 200V AC IEC 60987-2 Rated ultimate short-circuit breaking capacity Icu under 200V AC IEC 60987-2 Rated ultimate short-circuit breaking capacity Icu under 200V AC IEC 60987-2 Rated ultimate short-circuit breaking capacity Icu under 200V AC IEC 60987-2 Rated ultimate short-circuit breaking capacity Icu under 360V AC IEC 60987-2 Rated ultimate short-circuit breaking capacity Icu under 360V AC IEC 60987-2 Rated ultimate short-cir	Rating current 20°C according to IEC 60947	59.34 A
Rating current 35°C according to IEC 60947 Rating current 40°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 360V AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 360V AC IEC 6098-1 Ra	Rating current 25°C according to IEC 60947	57.89 A
Rating current 40°C according to IEC 60947 Rating current 45°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 200 AC according IEC60989-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60989-1 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC according IEC 6098-1 Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 6098-1 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity I	Rating current 30°C according to IEC 60947	56.4 A
Rating current 45°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 5°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230∨ AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 400∨ AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 230∨ AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240∨ AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240∨ AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415∨ AC IEC 60947-2 Rated short circuit breaking capacity Icu under 415∨ AC IEC 60947-2 Rated short circuit breaking capacity Icu under 415∨ AC IEC 60988-1 Rated short circuit breaking capacity Icu under 415∨ AC IEC 60988-1 Rated short circuit breaking capacity Icu under 415∨ AC IEC 60988-1 Rated short circuit breaking capacity Icu under 240∨ AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 415∨ AC IEC 6098-1 Rated ultimate short-circuit breaking capacity Icu under 240∨ AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 25°C Rating current / temperature Rating current / temperature Rating current - 1-5°C 63.02 A Rating current - 1-5°C 59.75 A Rating current - 1-5°C 59.75 A Rating current - 5°C 59.75 A Rating current - 5°C	Rating current 35°C according to IEC 60947	54.87 A
Rating current 5°C according to IEC 60947 Rating current 50°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60998-1 Rated short circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 25°C Ga.80 A Rating current -15°C 63.02 A Rating current -10°C 59.75 A Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current 0°C	Rating current 40°C according to IEC 60947	53.29 A
Rating current 50°C according to IEC 60947 Rating current 55°C according to IEC 60947 Rating current 60°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60998-1 Rated short circuit breaking capacity Icu under 240V AC according IEC 60998-1 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 R	Rating current 45°C according to IEC 60947	51.67 A
Rating current 55°C according to IEC 60947 47.99 A Rating current 60°C according to IEC 60947 45.9 A Rating current 65°C according to IEC 60947 43.7 A Rating current 65°C according to IEC 60947 43.7 A Rating current 70°C according to IEC 60947 41.38 A Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 10 kA Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 10 kA Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 10 kA Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 10 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 25°C 63.02 A Rating current / temperature Rating current -25°C 63.02 A Rating current -15°C 60.86 A Rating current -5°C 59.75 A	Rating current 5°C according to IEC 60947	63.49 A
Rating current 60°C according to IEC 60947 45.9 A Rating current 65°C according to IEC 60947 43.7 A Rating current 70°C according to IEC 60947 41.38 A Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 10 kA Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 10 kA Rated ultimate short-circuit breaking capacity Icn under 400V AC according IEC60898-1 30 kA Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 15 kA Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 15 kA Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 10 kA Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 10 kA Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 10 kA Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60898-1 10 kA Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity Icu under 25°C 63.02 A Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15 kA Electric current / temperature Rating current -25°C 63.02 A Rating current -15°C 60.86 A Rating current -15°C 59.75 A Rating current -10°C 59.75 A Rating current -10°C 59.75 A Rating current -0°C 59.75 A	Rating current 50°C according to IEC 60947	50 A
Rating current 65°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 415V AC IEC 60988-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icn under 240V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 30 kA Rated ultimate short-circuit breaking capacity Icu under 250°C 63.02 A Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 15 kA Electric current / temperature Rating current -25°C 63.02 A Rating current -15°C 59.75 A Rating current -5°C 59.75 A Rating current -5°C	Rating current 55°C according to IEC 60947	47.99 A
Rating current 70°C according to IEC 60947 Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60988-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rating current -25°C 63.02 A Rating current -15°C 63.02 A Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current -5°C	Rating current 60°C according to IEC 60947	45.9 A
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC according IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Sate and ultimate short-circuit breaking capacity Icn under 380V AC IEC 60947-2 Rating current -25°C 63.02 A Rating current -10°C 59.75 A Rating current -10°C 59.75 A Rating current 0°C	Rating current 65°C according to IEC 60947	43.7 A
under 230V AC according IEC60898-1 Rated short circuit breaking capacity Icn under 400V AC according IEC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 415V AC according IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 250V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under	Rating current 70°C according to IEC 60947	41.38 A
under 400V AC according EC60898-1 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rating current / temperature Rating current -25°C Rating current -10°C S9.75 A Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current 0°C		10 kA
capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rating current / temperature Rating current / temperature Rating current -20°C Rating current -20°C Rating current -10°C S9.75 A Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current -5°C S8.62 A Rating current 0°C	3 , ,	10 kA
capacity Icu under 240V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Rating current / temperature Rating current / temperature Rating current -25°C Rating current -15°C Rating current -10°C S9.75 A Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current -5°C S8.62 A Rating current -0°C	<u> </u>	30 kA
capacity Icu under 400V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icu under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated short circuit breaking capacity Icu under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Belectric current / temperature Rating current -25°C Rating current -20°C Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current 0°C S7.47 A	g g	30 kA
capacity Icu under 415V AC IEC 60947-2 Rated short circuit breaking capacity Icn under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icn under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C Rating current -20°C Rating current -15°C Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current 0°C		15 kA
under 240V AC according IEC 60898-1 Rated short circuit breaking capacity Icn under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C Rating current -20°C Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current 0°C S7.47 A	g g	15 kA
under 415V AC according IEC 60898-1 Rated ultimate short-circuit breaking capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C Rating current -20°C Rating current -15°C Rating current -10°C S9.75 A Rating current -5°C S8.62 A Rating current 0°C S7.47 A		10 kA
capacity Icu under 220V AC IEC 60947-2 Rated ultimate short-circuit breaking capacity Icu under 380V AC IEC 60947-2 Electric current / temperature Rating current -25°C Rating current -20°C Rating current -15°C Rating current -10°C Selectric current -10°C		10 kA
Electric current / temperature Rating current -25°C 63.02 A Rating current -20°C 61.95 A Rating current -15°C 60.86 A Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current 0°C 57.47 A	9	30 kA
Rating current -25°C 63.02 A Rating current -20°C 61.95 A Rating current -15°C 60.86 A Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current 0°C 57.47 A	9	15 kA
Rating current -20°C 61.95 A Rating current -15°C 60.86 A Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current 0°C 57.47 A	Electric current / temperature	
Rating current -15°C 60.86 A Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current 0°C 57.47 A	Rating current -25°C	63.02 A
Rating current -10°C 59.75 A Rating current -5°C 58.62 A Rating current 0°C 57.47 A	Rating current -20°C	61.95 A
Rating current -5°C 58.62 A Rating current 0°C 57.47 A	Rating current -15°C	60.86 A
Rating current 0°C 57.47 A	Rating current -10°C	59.75 A
	Rating current -5°C	58.62 A
Rating current 5°C 56.29 A	Rating current 0°C	57.47 A
	Rating current 5°C	56.29 A

Rating current 10°C	55.09 A
Rating current 25°C	51.32 A
Rating current 30°C	50 A
Rating current 35°C	48.48 A
Rating current 40°C	46.91 A
Rating current 45°C	45.29 A
Rating current 50°C	43.6 A
Rating current 55°C	41.85 A
Rating current 60°C	40.02 A
Rating current 65°C	38.11 A
Rating current 70°C	36.09 A
Current correction factors	
Correction factor of rating current for 2 devices placed side-by-side	1
Correction factor of rating current for 3 devices placed side-by-side	0.95
Correction factor of rating current for 4 and 5 devices placed side-by-side	0.9
Correction factor of rating current for 6 devices placed side-by-side	0.85
Correction factor of magnetic tripping with 100 Hz	1.1
Correction factor of magnetic tripping with 200 Hz	1.2
Correction factor of magnetic tripping with 400 Hz	1.5
Correction factor of magnetic tripping with 60 Hz	1.1
Dimensions	
Depth of installed product	70 mm
Height of installed product	83 mm
Width of installed product	70 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Maximum power loss per pole according to the product standard	9 W
Total power loss under IN	20.3 W
Power loss per pole at In	5.4 W
Endurance	
Electric endurance in number of cycles	4000
Number of mechanical operations	20000
Installation, mounting	
Type of top connection for modular devices	with screw
Tightening torque	2,8Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	plastic

Type of Bottom Connection for modular devices	Blconnect
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
Suitable for flush-mounting	Yes
Connection	
Connection cross-section at output with screw, for flexible conductor	1 / 25 mm²
Connection cross-section at output with screw, for massive conductor	1 / 35 mm²
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 35 mm²
Connection cross-section of the access with screws, with flexible conductor	1 / 25 mm²
Downstream cage clamp delivery status	opened
Upstream cage clamp delivery status	opened
Equipment	
Can be accessorized	Yes
With transparent product label holder	Yes
Standards	
Standard text	EN 60898-1 ; IEC 60947-2
European directive WEEE	concerned
Safety	
Protection index IP	IP20
REACH conform	No
RoHS conform	Yes
Halogen free	No
Use conditions	
Operating temperature	-2570 °C
Class of energy limitation I²t	3
Altitude	2000 m
Storage/transport temperature	-2580 °C
temperatur	
Temperature of calibration	50 °C