



## MCB 2P 15kA D-80A 3M

**Technical properties** 

Type of pole     2       Curve     Functions       Functions     N       Configuration     N       Number of modules     Aligned termine       Connectivity     Aligned termine       Top connection alignement for modular devices     Aligned termine       Bottom connection alignement for modular devices     Aligned termine       Main electrical features     Aligned termine       Rated short circuit breaking capacity Icn AC according ICG0898-1     15 k       Rated operational voltage Ue     415       Type of supply voltage     A       Prequency     50/6       Voltage     60000       Electric current     80       Rated einsulation voltage     60000       Electric current     80       Rated service breaking capacity Ics AC according ICG 60898-1     7.5 k       min/maxi threshold value of the AC thermal operation     1.13 / 1.45 I       Magnetic regulating current     10 / 20 I       Rating current -10°C according to IEC 60947     112       Rating current -20°C according to IEC 60947     118       Rating current -25°C according to IEC     118	Number of protected poles	2
Curve Functions Concurrently switching N-neutral Configuration Number of modules Connectivity Top connection alignement for modular devices Aligned termine Bottom connection alignement for modular devices Aligned termine Main electrical features Rated short circuit breaking capacity Icn AC according IEC60898-1 Is k Rated operational voltage Ue Alis Type of supply voltage Frequency Solo Voltage Rated insulation voltage Electric current Rated current Rated current Rated current Rated current Rated current Rated service breaking capacity Ics AC according IEC 60898-1 I.13 / 1.45 I Magnetic regulating current Alignet Current Rated Rated current Rated Curren	Number of poles	2 F
Functions         Concurrently switching N-neutral       N         Configuration       N         Number of modules       Connectivity         Top connection alignement for modular devices       Aligned termine         Bottom connection alignement for modular devices       Aligned termine         Main electrical features       Aligned termine         Rated short circuit breaking capacity Icn AC according IEC60898-1       15 k         Rated operational voltage Ue       415         Type of supply voltage       A         Frequency       50/6         Voltage       60001         Electric current       80         Rated insulation voltage       60001         Electric current       80         Rated service breaking capacity Ics AC according to IEC 60898-1       7.5 k         min/maxit threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       115         Gog47       118         Rating current -20°C according to IEC 60947       118	Type of pole	2
Concurrently switching N-neutral N Configuration Number of modules Connectivity Top connection alignement for modular devices Aligned termine Bottom connection alignement for modular devices Aligned termine Rated short circuit breaking capacity Icn AC according IEC 60898-1 Stype of supply voltage Rated insulation voltage Rated insulation voltage Rated insulation voltage Electric current Rated current Rated current Bated service breaking capacity Ics AC according IEC 60898-1 Stype of supply coltage Context and the AC thermal Stated service breaking capacity Ics AC according IEC 60898-1 Stype of supply Coltage Rated insulation voltage Rated insulation voltage Context Aligned termine Context Alignet Aligned termine Context Aligned termine Cont	Curve	Γ
Configuration         Number of modules         Connectivity         Top connection alignement for modular devices         Bottom connection alignement for modular devices         Main electrical features         Rated short circuit breaking capacity Icn AC according IEC60899-1         Action of supply voltage         Frequency         Solo         Voltage         Rated insulation voltage         Rated insulation voltage         Connection alignement         Rated insulation voltage         Solo         Rated insulation voltage         Connective breaking capacity Ics AC according IEC 6089-1         According IEC 6089-1         Rated service breaking capacity Ics AC according IEC 6089-1         According IEC 6089-1         Top is provide threaking capacity Ics AC according IEC 6089-1         Rated service breaking capacity Ics AC according IEC 6089-1         Rated service breaking capacity Ics AC according to IEC 60947         Rating current -10°C according to IEC 60947         Rating current -20°C according to IEC 60947	Functions	
Number of modules  Connectivity  Top connection alignement for modular devices Aligned termine Bottom connection alignement for modular devices Aligned termine  Main electrical features Rated short circuit breaking capacity Icn AC according IEC60899-1 15 k Rated operational voltage Ue 415 Type of supply voltage  Rated insulation voltage Rated insulation voltage Rated insulation voltage Electric current Rated current Rated current Rated current Rated current 10 / 20 I Rating current -10°C according to IEC 60947 118 Rating current -20°C according to IEC	Concurrently switching N-neutral	N
Connectivity         Top connection alignement for modular devices       Aligned terminal devices         Bottom connection alignement for modular devices       Aligned terminal devices         Main electrical features       Aligned terminal devices         Main electrical features       Aligned terminal devices         Rated short circuit breaking capacity Icn AC according IEC60898-1       15 k         Rated operational voltage Ue       415         Type of supply voltage       A         Frequency       50/6         Voltage       6000         Rated insulation voltage       500         Rated insulation voltage       6000         Electric current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -15°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118	Configuration	
Top connection alignement for modular devices       Aligned terminal devices         Bottom connection alignement for modular devices       Aligned terminal devices         Main electrical features       Aligned terminal devices         Rated short circuit breaking capacity Icn AC according IEC60898-1       15 k         Rated operational voltage Ue       415         Type of supply voltage       A         Frequency       50/6         Voltage       6000         Rated insulation voltage       6000         Electric current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       115         Rating current -20°C according to IEC 60947       118         Rating current -20°C according to IEC       118         Rating current -25°C according to IEC       118	Number of modules	:
devices       Aligned terminal         Bottom connection alignement for modular devices       Aligned terminal         Main electrical features       Aligned terminal         Rated short circuit breaking capacity Icn AC according IEC60898-1       15 k         Rated operational voltage Ue       415         Type of supply voltage       A         Frequency       50/6         Voltage       6000         Rated insulation voltage       500         Rated impulse withstand voltage       6000         Electric current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating currrent       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118         Rating current -25°C according to IEC       118	Connectivity	
devices       Aligned terminal         Main electrical features       Rated short circuit breaking capacity Icn AC according IEC60898-1       15 k         Rated operational voltage Ue       415         Type of supply voltage       A         Frequency       50/6         Voltage       6000°         Rated insulation voltage       500         Rated insulation voltage       6000°         Electric current       80         Rated current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118         Rating current -25°C according to IEC       118	Top connection alignement for modular devices	Aligned termina
Rated short circuit breaking capacity Icn AC       15 k         according IEC60898-1       15 k         Rated operational voltage Ue       415         Type of supply voltage       A         Frequency       50/6         Voltage       500         Rated insulation voltage       500         Rated insulation voltage       6000 °         Electric current       80         Rated current       80         Rated service breaking capacity Ics AC       7.5 k         according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       115         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC 60947       118	-	Aligned termina
according IEC60898-115 kRated operational voltage Ue415Type of supply voltageAFrequency50/6Voltage8Rated insulation voltage500Rated insulation voltage6000Electric current80Rated current80Rated service breaking capacity Ics AC according IEC 60898-17.5 kmin/maxi threshold value of the AC thermal operation1.13 / 1.45 IMagnetic regulating current10 / 20 IRating current -10°C according to IEC 60947112Rating current -20°C according to IEC 60947115Rating current -20°C according to IEC 60947118Rating current -25°C according to IEC118	Main electrical features	
Type of supply voltage       A         Frequency       50/6         Voltage       8         Rated insulation voltage       500 °         Rated impulse withstand voltage       6000 °         Electric current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118		15 k
Frequency       50/6         Voltage       500         Rated insulation voltage       500         Rated impulse withstand voltage       6000         Electric current       6000         Rated current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118	Rated operational voltage Ue	415
Voltage         Rated insulation voltage       500         Rated impulse withstand voltage       6000         Electric current       6000         Rated current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -20°C according to IEC 60947       115         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118	Type of supply voltage	A
Rated insulation voltage       500         Rated impulse withstand voltage       6000 °         Electric current       6000 °         Rated current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating current       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -15°C according to IEC 60947       115 .         Rating current -20°C according to IEC 60947       118 .         Rating current -25°C according to IEC       118 .         Rating current -25°C according to IEC       118 .	Frequency	50/6
Rated impulse withstand voltage       6000 °         Electric current       80         Rated current       80         Rated service breaking capacity Ics AC according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal operation       1.13 / 1.45 I         Magnetic regulating currrent       10 / 20 I         Rating current -10°C according to IEC 60947       112         Rating current -15°C according to IEC 60947       115         Rating current -20°C according to IEC 60947       118         Rating current -25°C according to IEC       118	Voltage	
Electric current       80         Rated current       80         Rated service breaking capacity Ics AC       7.5 k         according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal       1.13 / 1.45 l         operation       1.13 / 1.45 l         Magnetic regulating current       10 / 20 l         Rating current -10°C according to IEC       10         60947       112         Rating current -15°C according to IEC       115         Rating current -20°C according to IEC       118         Rating current -25°C according to IEC       118	Rated insulation voltage	500
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Rated service breaking capacity Ics AC         according IEC 60898-1       7.5 k         min/maxi threshold value of the AC thermal         operation       1.13 / 1.45 l         Magnetic regulating currrent       10 / 20 l         Rating current -10°C according to IEC       60947         60947       115 l         Rating current -20°C according to IEC       118 l         Rating current -25°C according to IEC       118 l	Electric current	
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60947       112         Rating current -15°C according to IEC       115         60947       115         Rating current -20°C according to IEC       118         Rating current -25°C according to IEC       118	Magnetic regulating currrent	10 / 20
60947     115       Rating current -20°C according to IEC     118       Rating current -25°C according to IEC     118	5	112 /
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		118
	Rating current -25°C according to IEC 60947	122 /

Rating current 0°C according to IEC 60947       106 A         Rating current 10°C according to IEC 60947       992 A         Rating current 150°C according to IEC 60947       98.8 A         Rating current 20°C according to IEC 60947       89.6 A         Rating current 30°C according to IEC 60947       88.4 A         Rating current 30°C according to IEC 60947       88.4 A         Rating current 35°C according to IEC 60947       80.4 A         Rating current 35°C according to IEC 60947       77.6 A         Rating current 50°C according to IEC 60947       77.6 A         Rating current 50°C according to IEC 60947       77.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       70.4 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC 60947       72.6 A         Rating current 50°C according to IEC	Rating current -5°C according to IEC 60947	109 A
Rating current 150°C according to IEC         96 A           Rating current 20°C according to IEC 60947         92.8 A           Rating current 25°C according to IEC 60947         89.6 A           Rating current 35°C according to IEC 60947         83.2 A           Rating current 35°C according to IEC 60947         80.4 A           Rating current 35°C according to IEC 60947         80.4 A           Rating current 35°C according to IEC 60947         77.6 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 5°C according to IEC 60947         70.4 A           Rating current 5°C according to IEC 60947         70.4 A           Rating current 5°C according to IEC 60947         70.4 A           Rating current 5°C according to IEC 60947         70.4 A           Rating current 5°C according to IEC 60947         61.3 A           Breaking capacity on 1 pole for IT 400V NF         60947.2           60947.2         4.5 kA           Breaking capacity on 1 pole for IT 415V NF         60947.2           Rated short circuit breaking capacity Icn under 200V AC according IEC 60989.1         15 kA           Rated short circuit breaking capacity Icn under 200V AC according IEC 60947.2         15 kA           Rated ultimate short-circuit breaking capacit	Rating current 0°C according to IEC 60947	106 A
60947         96 A           Rating current 20°C according to IEC 60947         92.8 A           Rating current 30°C according to IEC 60947         89.6 A           Rating current 30°C according to IEC 60947         80.4 A           Rating current 40°C according to IEC 60947         80.4 A           Rating current 40°C according to IEC 60947         80.4 A           Rating current 5°C according to IEC 60947         77.6 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 5°C according to IEC 60947         70.4 A           Rating current 70°C according to IEC 60947         70.4 A           Rating current 70°C according to IEC 60947         64.3 A           Breaking capacity on 1 pole for IT 400V NF         60947.2           60947.2         4.5 kA           Breaking capacity on 1 pole for IT 415V NF         50.5 %           60947.2         50.5 %           Rated short circuit breaking capacity Icn under 200 VAC according IEC 60947.2         50.5 %           Rated ultimate short-circuit breaking capacity Icn under 400V AC according IEC 60947.2         50.5 %           Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947.2         15 kA<	Rating current 10°C according to IEC 60947	99.2 A
Rating current 25°C according to IEC 6094799.6 ARating current 30°C according to IEC 6094783.2 ARating current 40°C according to IEC 6094780.4Rating current 45°C according to IEC 6094777.6 ARating current 5°C according to IEC 6094777.6 ARating current 5°C according to IEC 6094777.6 ARating current 5°C according to IEC 6094772.6 ARating current 5°C according to IEC 6094772.6 ARating current 5°C according to IEC 6094772.6 ARating current 60°C according to IEC 6094767.2 ARating current 60°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF60947-24.5 kA60947-24.5 kABreaking capacity on 1 pole for IT 415V NF4.5 kABreaking capacity on 1 pole for IT 415V NF50.5 kARated short circuit breaking capacity Icn under 230V AC according IEC 6098-115 kARated short circuit breaking capacity Icn under 400V AC according IEC 6098-1215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARating current 25°C115 A		96 A
Rating current 30°C according to IEC 6094786.4 ARating current 35°C according to IEC 6094783.2 ARating current 40°C according to IEC 6094780 ARating current 5°C according to IEC 60947102 ARating current 5°C according to IEC 6094777.6 ARating current 5°C according to IEC 6094777.6 ARating current 5°C according to IEC 6094772.6 ARating current 5°C according to IEC 6094770.0 ARating current 60°C according to IEC 6094767.2 ARating current 65°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF4.5 kABreaking capacity on 1 pole for IT 400V NF4.5 kABreaking capacity on 1 pole for IT 415V NF60947.24.5 kAAted short circuit breaking capacity Icn under 230V AC according IEC 6098-115 kARated short circuit breaking capacity Icn under 400V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2Rating current 15°C100 ARating current 15°C101 ARating current 15°C102	Rating current 20°C according to IEC 60947	92.8 A
Rating current 35°C according to IEC 6094783.2 ARating current 40°C according to IEC 6094780 ARating current 45°C according to IEC 6094777.6 ARating current 5°C according to IEC 6094772.6 ARating current 5°C according to IEC 6094772.6 ARating current 6°C according to IEC 6094770.0 ARating current 6°C according to IEC 6094767.2 ARating current 6°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF60947.2Co947-24.5 kABraked short circuit breaking capacity Icn15 kARated short circuit breaking capacity Icn15 kARated short circuit breaking capacity Ics AC50 %according IEC 60987.250 %Rated ultimate short-circuit breaking50 %Rated ultimate short-circuit breaking15 kARated ultimate short-circuit breaking15 kARating current 15°C100 ARating current 5°C102	Rating current 25°C according to IEC 60947	89.6 A
Rating current 40°C according to IEC 60947         80 A           Rating current 45°C according to IEC 60947         77.6 A           Rating current 5°C according to IEC 60947         102 A           Rating current 5°C according to IEC 60947         75.1 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 60°C according to IEC 60947         70 A           Rating current 60°C according to IEC 60947         67.2 A           Rating current 70°C according to IEC 60947         64.3 A           Breaking capacity on 1 pole for IT 400V NF         60947.2           60947.2         4.5 kA           Rated short circuit breaking capacity Icn under 230V AC according IEC 60898.1         15 kA           Rated short circuit breaking capacity Icn under 230V AC according IEC 60898.1         15 kA           Rated outlimate short-circuit breaking capacity Ics AC according IEC 60987.2         50 %           Rated ultimate short-circuit breaking capacity Ics AC according IEC 60987.2         15 kA           Rated ultimate short-circuit breaking capacity Ics AC according IEC 60987.2         15 kA           Rated ultimate short-circuit breaking capacity Ics AC according IEC 60987.2         15 kA           Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.2         15 kA           Rated ultimate short-Circuit breaking capacity Icu under 240V AC IEC 60947.2	Rating current 30°C according to IEC 60947	86.4 A
Rating current 45°C according to IEC 60947         77.6 A           Rating current 5°C according to IEC 60947         102 A           Rating current 5°C according to IEC 60947         75.1 A           Rating current 5°C according to IEC 60947         72.6 A           Rating current 60°C according to IEC 60947         70 A           Rating current 65°C according to IEC 60947         67.2 A           Rating current 70°C according to IEC 60947         64.3 A           Breaking capacity on 1 pole for IT 400V NF         60947.2           60947.2         4.5 kA           Rated short circuit breaking capacity Icn         115 kA           Rated short circuit breaking capacity Icn         115 kA           Rated short circuit breaking capacity Ics AC         50 %           Rated ultimate short-circuit breaking         50 % ///////////////////////////////////	Rating current 35°C according to IEC 60947	83.2 A
Aating current 5°C according to IEC 60947102 ARating current 50°C according to IEC 6094775.1 ARating current 55°C according to IEC 6094770 ARating current 60°C according to IEC 6094767.2 ARating current 65°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF60947.24.5 kABreaking capacity on 1 pole for IT 415V NF60947.24.5 kARated short circuit breaking capacity Icn under 230V AC according IEC 60989.115 kARated short circuit breaking capacity Icn under 230V AC according IEC 60989.115 kARated short circuit breaking capacity Ics AC according IEC 60989.150 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60987.215 kARated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.215 kARated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947.215 kARated ultimate short-Circuit breaking capacity Icu under 230V AC IEC 60947.215 kARated ultimate short-Circuit breaking capacity Icu under 230V AC IEC 60947.215 kARated ultimate short-Circuit breaking capacity Icu under 240V AC IEC 60947.215 kARated ultimate short-Circuit breaking capacity Icu under 240V AC IEC 60947.215 kARating current / temperature15 kARating current / temperature100 ARating current / 10°C100 ARating current 5°C102 ARating current 10°C22.8 ARating current 10°C22.8 ARating current 10°C28	Rating current 40°C according to IEC 60947	80 A
Rating current 50°C according to IEC 6094775.1 ARating current 55°C according to IEC 6094772.6 ARating current 60°C according to IEC 6094770 ARating current 70°C according to IEC 6094767.2 ARating current 70°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF60947-24.5 kABreaking capacity on 1 pole for IT 415V NF60947-24.5 kARated short circuit breaking capacity Icn under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated service breaking capacity Icn under 230V AC according IEC60987-250 %Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current - 25°C115 ARating current 10°C106 ARating current 5°C99 ARating current 5°C99 ARating current 5°C96 ARating current 5°C96 ARating current 10°C99.2 ARating current 5°C96 ARating current 25°C96 ARating current 5°C96 ARating current 5°C96 ARating current 25°C	Rating current 45°C according to IEC 60947	77.6 A
Rating current 55°C according to IEC 6094772.6 ARating current 60°C according to IEC 6094770 ARating current 70°C according to IEC 6094767.2 ARating current 70°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF60947-260947-24.5 kABreaking capacity on 1 pole for IT 415V NF4.5 kABreaking capacity on 1 pole for IT 415V NF60947-2Asted short circuit breaking capacity Icn under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60897-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 2400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 2400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 2400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 2400V AC IEC 60947-215 kARating current -25°C115 ARating current -15°C105 ARating current -15°C102 ARating current 5°C96 ARatin	Rating current 5°C according to IEC 60947	102 A
Rating current 60°C according to IEC 6094770 ARating current 70°C according to IEC 6094767.2 ARating current 70°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 4000 NF60947-260947-24.5 kABreaking capacity on 1 pole for IT 4150 NF4.5 kABreaking capacity on 1 pole for IT 4150 NF60947-2Asted short circuit breaking capacity Icn15 kAander 2300 AC according IEC60898-115 kARated short circuit breaking capacity Icn15 kAander 4000 AC according IEC60898-115 kARated short circuit breaking capacity Icn15 kARated short-circuit breaking capacity Ics AC50 %Rated ultimate short-circuit breaking15 kARated ultimate short-circuit breaking15 kARating current / temperature12 ARating current / temperature12 ARating current / temperature10 ARating current 10°C10 ARating current 5°C92 ARating current 5°C96 ARating current 5°C96 ARating current 5°C96 ARating current 10°C92 ARating current 5°C96 ARating current 5°C96 A <td>Rating current 50°C according to IEC 60947</td> <td>75.1 A</td>	Rating current 50°C according to IEC 60947	75.1 A
Rating current 65°C according to IEC 6094767.2 ARating current 70°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF45. kABreaking capacity on 1 pole for IT 400V NF4.5 kABreaking capacity on 1 pole for IT 415V NF4.5 kARated short circuit breaking capacity Icn115 kARated short circuit breaking capacity Icn115 kARated short circuit breaking capacity Icn115 kARated service breaking capacity Ics AC50 %according IEC 60989-115 kARated service breaking capacity Ics AC50 %Rated ultimate short-circuit breaking50 %Rated ultimate short-circuit breaking15 kARated ultimate short-circuit breaking15 kARating current -20°C115 ARating current -25°C115 ARating current -15°C100 ARating current 5°C96 ARating current 5°C96 ARating current 5°C96 ARating current 5°C96 ARating current 5°C89.6 ARating current 5°C89.6 ARating current 5°C89.6 ARating current 5°C80.6 A<	Rating current 55°C according to IEC 60947	72.6 A
Rating current 70°C according to IEC 6094764.3 ABreaking capacity on 1 pole for IT 400V NF4.5 kABreaking capacity on 1 pole for IT 415V NF4.5 kARated short circuit breaking capacity Icn under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 240V AC according IEC60898-115 kARated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current -25°C115 ARating current -15°C100 ARating current -10°C102 ARating current 5°C96 ARating current 5°C96 ARating current 5°C96 ARating current 5°C89.6 ARating current 5°C89.6 ARating current 5°C89.6 ARating current 5°C89.6 ARating current 5°C80.6 ARating current 5°C80.	Rating current 60°C according to IEC 60947	70 A
Breaking capacity on 1 pole for IT 400V NF 60947-24.5 kABreaking capacity on 1 pole for IT 415V NF 60947-24.5 kARated short circuit breaking capacity Icn under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current - 25°C115 ARating current - 10°C106 ARating current - 10°C102 ARating current 10°C99.2 ARating current 10°C99.2 ARating current 10°C92.8 ARating current 10°C83.6 ARating current 10°C83.6 ARating current 25°C83.6 ARating current 10°C83.6 ARating current 10°C83	Rating current 65°C according to IEC 60947	67.2 A
60947-24.5 kABreaking capacity on 1 pole for IT 415V NF4.5 kARated short circuit breaking capacity Icn under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current -20°C115 ARating current -15°C102 ARating current -15°C102 ARating current -5°C102 ARating current 0°C99.2 ARating current 15°C96 ARating current 15°C89.6 ARating current 15°C89.6 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 30°C80.0 ARating current 35°C77.6 A	Rating current 70°C according to IEC 60947	64.3 A
Breaking capacity on 1 pole for IT 415V NF       4.5 kA         Rated short circuit breaking capacity Icn       15 kA         Rated short circuit breaking capacity Icn       15 kA         Rated short circuit breaking capacity Icn       15 kA         Rated service breaking capacity Ics AC       250 %         Rated ultimate short-circuit breaking       250 %         Capacity Icu under 240V AC IEC 60947-2       15 kA         Rated ultimate short-circuit breaking       215 kA         Rated ultimate short-circuit breaking       215 kA         Rating current -25°C       115 A         Rating current -25°C       115 A         Rating current -15°C       109 A         Rating current -10°C       106 A         Rating current -5°C       102 A         Rating current 0°C       99.2 A         Rating current 15°C       96 A </td <td>Breaking capacity on 1 pole for IT 400V NF</td> <td></td>	Breaking capacity on 1 pole for IT 400V NF	
60947-24.5 kARated short circuit breaking capacity Icn under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current -25°C115 ARating current -25°C115 ARating current -0°C102 ARating current -15°C102 ARating current -15°C96 ARating current 10°C92.8 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 25°C83.2 ARating current 25°C83.2 ARating current 35°C77.6 A	60947-2	4.5 kA
under 230V AC according IEC60898-115 kARated short circuit breaking capacity Icn under 400V AC according IEC60898-115 kARated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current -25°C115 ARating current -25°C115 ARating current -10°C106 ARating current -5°C102 ARating current 5°C99.2 ARating current 10°C99.2 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 25°C83.2 ARating current 35°C77.6 A		4.5 kA
under 400V AC according IEC60898-115 kARated service breaking capacity Ics AC according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current -25°C115 ARating current -20°C112 ARating current -10°C106 ARating current -5°C102 ARating current 5°C99.2 ARating current 10°C99.2 ARating current 5°C96 ARating current 15°C89.6 ARating current 5°C89.6 ARating current 5°C83.2 ARating current 5°C83.2 ARating current 30°C80 ARating current 35°C77.6 A		15 kA
according IEC 60947-250 %Rated ultimate short-circuit breaking capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARating current / temperature115 ARating current -25°C115 ARating current -20°C112 ARating current -10°C106 ARating current -10°C106 ARating current 5°C99.2 ARating current 10°C99.2 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 15°C80.6 ARating current 35°C83.2 ARating current 35°C83.2 ARating current 35°C80.6 ARating current 35°C77.6 A		15 kA
capacity Icu under 230V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kAElectric current / temperature115 ARating current -25°C115 ARating current -20°C112 ARating current -15°C109 ARating current -10°C106 ARating current 0°C99.2 ARating current 5°C96 ARating current 15°C96 ARating current 15°C89.6 ARating current 15°C89.6 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A		50 %
capacity Icu under 240V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kAElectric current / temperature115 ARating current -25°C115 ARating current -20°C112 ARating current -15°C109 ARating current -10°C106 ARating current -5°C102 ARating current 5°C99.2 ARating current 5°C96 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 20°C86.4 ARating current 30°C80 ARating current 35°C77.6 A		15 kA
capacity Icu under 400V AC IEC 60947-215 kARated ultimate short-circuit breaking capacity Icu under 415V AC IEC 60947-215 kAElectric current / temperatureRating current -25°C115 ARating current -20°C112 ARating current -15°C109 ARating current -10°C106 ARating current -5°C102 ARating current 0°C99.2 ARating current 10°C96 ARating current 10°C96 ARating current 10°C96 ARating current 10°C96 ARating current 10°C89.6 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 20°C80.4 ARating current 30°C80 ARating current 30°C80 ARating current 35°C77.6 A		15 kA
capacity Icu under 415V AC IEC 60947-215 kAElectric current / temperatureRating current -25°C115 ARating current -20°C112 ARating current -15°C109 ARating current -10°C106 ARating current -5°C102 ARating current 0°C99.2 ARating current 10°C96 ARating current 10°C92.8 ARating current 10°C89.6 ARating current 15°C89.6 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A		15 kA
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Rating current -20°C112 ARating current -15°C109 ARating current -10°C106 ARating current -5°C102 ARating current 0°C99.2 ARating current 5°C96 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 35°C83.2 ARating current 35°C80 ARating current 35°C77.6 A	Electric current / temperature	
Rating current -15°C109 ARating current -10°C106 ARating current -5°C102 ARating current 0°C99.2 ARating current 5°C96 ARating current 10°C92.8 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 25°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current -25°C	115 A
Rating current -10°C106 ARating current -5°C102 ARating current 0°C99.2 ARating current 5°C96 ARating current 10°C92.8 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 25°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current -20°C	112 A
Rating current -5°C102 ARating current 0°C99.2 ARating current 5°C96 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 20°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current -15°C	109 A
Rating current 0°C99.2 ARating current 5°C96 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current -10°C	106 A
Rating current 5°C96 ARating current 10°C92.8 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current -5°C	102 A
Rating current 10°C92.8 ARating current 15°C89.6 ARating current 20°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current 0°C	99.2 A
Rating current 15°C89.6 ARating current 20°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current 5°C	96 A
Rating current 20°C86.4 ARating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current 10°C	92.8 A
Rating current 25°C83.2 ARating current 30°C80 ARating current 35°C77.6 A	Rating current 15°C	89.6 A
Rating current 30°C80 ARating current 35°C77.6 A	Rating current 20°C	86.4 A
Rating current 35°C 77.6 A	Rating current 25°C	83.2 A
- <b>5</b>	Rating current 30°C	80 A
Rating current 40°C 75.1 A	Rating current 35°C	77.6 A
	Rating current 40°C	75.1 A

Rating current 45°C	72.6 A
Rating current 50°C	70 A
Rating current 55°C	67.2 A
Rating current 60°C	64.3 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
Dimensions	
Depth of installed product	70 mm
Height of installed product	90 mm
Width of installed product	53 mm
Frequency	
Frequency	50 to 60 Hz
Power	
Total power loss under IN	11.98 W
Power loss per pole at In	6.13 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	3,5 to 5Nm
Type of top rail clip for modular devices	Plastic
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	with screw
Top removability for modular devices	Yes
Bottom removability for modular devices	Yes
Connection	
Connection cross-section at output with screw, for flexible conductor	1 / 50 mm²
Connection cross-section at output with screw, for massive conductor	1 / 70 mm²
Connection cross-sect. flexible conductor	50mm <sup>2</sup>
Connection cross-sect. rigid cable	70mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 70 mm²
Connection cross-section of the access with screws, with flexible conductor	1 / 50 mm²
Connection cross-section of input and output with screws, for massive conductors	1 / 70 mm²

Subject to technical modifications

1 / 50 mm
terminal with tightening compensation syster
EN 60898-1,IEC 60947-
concerne
IP2
2000
for all climate
30 °
Circuit breaker;Machine;Built-in machine;Built-i device;Installation machine;Rail mounte device;Automatic cutout;Controller circui breaker;Built-in distribution unit;Automatic plug-i