## Miniature circuit breaker (MCB), 25 A, 4p, characteristic: C



Part no. PL7-C25/4 165180

Product name	General specifications	
EAN	·	Eaton Moeller series xPole - PL7 MCB
EAN	Part no.	PL7-C25/4
Product width Product width Product width Product width Compliances Product Tradename Product Tradename Product Tradename Product Tradename Product Sub Type Pr	EAN	
Product width Product weight Compliances Product Tradename Product Tradename Product Tradename Product Tradename Product Tradename Application Product Type MoE Product Type P	Product Length/Depth	85 millimetre
Product width Product weight Compliances Product Tradename Product Tradename Product Tradename Product Tradename Product Tradename Application Product Type MoE Product Type P	Product height	73 millimetre
Compliances Product Tadesame \$Pole - PL7 Product Tape Product Tape Product Sub Type None  Delivery program  Application Applic	<u> </u>	70 millimetre
Product Tradername Product Type Product Type Product Sub Type  Delivery program  Application  Application  Application  Number of poles Number of poles Number of poles (total)  Anyonage Rating Type  Type  Release characteristic  C  Release characteristic  Anyonage Rating Type  AC  Rating Inquies very product (total)  Release (total)  AC  Rated operational voltage (UI)  Adu V  Rated operational voltage (UI)  Frequency rating - mina Retard impulse withstand voltage (UI)  Frequency rating - mina Retard doctoric treating - max Rated solver-circuit breaking capacity (IEC EN 6988) at 250 V  Rated short-circuit breaking capacity (IEC 69847-2) at 250 V  Rated short-circuit breaking capacity (IEC 69847-2) at 250 V  Rated short-circuit breaking capacity (IEC 69847-2) at 250 V  Rated short-circuit breaking capacity (IEC 69847-2) at 400 V  Overvoltage category  Pollution degree  Technical Data - Mechanical  Width in number of modular spacings Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi	Product weight	0.48 kilogram
Product Type Product Sub Type Product Sub Type  Delivery program  Application  Number of poles Number of poles Number of poles (tetail)  Aumber of poles (tetail)  Applications  Pour-pole Number of poles (tetail)  Applications  Tripping characteristic  C Amperage Rating  Type  Acc Applications  Voltage type Acc Acc Radea Spearacteristic  Voltage type Acc Raded Spearacteristic  Acc Acc Acc Acc Acc Acc Acc Acc Acc	Compliances	RoHS conform
Product Sub Type  Delivery program  Application  Application  Application  Application  Application  Number of poles  Number of poles (total)  Number of poles (protected)  4  1 ripping characteristic  C Release characteristic  Release characteristic  Tipping characteristic  C Release characteristic  Voltage type  Reted operational voltage (Ue) - max  Reted simplication voltage (Ue) - max  Reted simplication voltage (Ui)  Reted simplication voltage (Uimp)  Frequency rating - min  Frequency rating - max  Reted south-circuit breaking capacity (EC 60047-2) at 290 V  Reted short-c	Product Tradename	xPole - PL7
Delivery program  Application  Application  Application  Number of poles  Number of poles  Number of poles (Four-pole)  Number of poles (Four-pole)  Number of poles (Four-pole)  Number of poles (Four-pole)  An expansion of poles (Four-pole)  Release characteristic  C Release characteristic  C An parage Rating  Type  Minitures circuit breaker  RIT  Technical Data - Electrical  Voltage type  AC Rated operational voltage (Ue) - max Rated operational voltage (Ui)  Rated insulation voltage (Ui)  Rated insulation voltage (Ui)  Rated switching capacity (EC 6088-1)  Rated switching capacity (EC 6088-1)  Rated short-circuit breaking capacity (EC 60847-2) at 400 V  Rated short-circuit breaking capacity (E	Product Type	MCB
Application  Number of poles  Number of poles  Number of poles (total)  Aumber of poles (total)  Aumber of poles (total)  Aumber of poles (protected)  Tripping characteristic  Release characteristic  Release characteristic  C  Amperage Rating  Type  Technical Data - Electrical  Voltage type  AC  Rated operational voltage (Ue) - max  Rated operational voltage (Ue) - max  Rated insulation voltage (Uimp)  Frequency rating - min  Rated soft-circuit breaking capacity (EE 069891 21 au 200 V  Rated short-circuit breaking capacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit bre	Product Sub Type	None
Application  Number of poles  Number of poles  Number of poles (total)  Aumber of poles (total)  Aumber of poles (total)  Aumber of poles (protected)  Tripping characteristic  Release characteristic  Release characteristic  C  Amperage Rating  Type  Technical Data - Electrical  Voltage type  AC  Rated operational voltage (Ue) - max  Rated operational voltage (Ue) - max  Rated insulation voltage (Uimp)  Frequency rating - min  Rated soft-circuit breaking capacity (EE 069891 21 au 200 V  Rated short-circuit breaking capacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 069987 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit breaking papacity (EE 06998 2) at 400 V  Rated short-circuit bre	Delivery program	
Number of poles (total)  Number of poles (total)  Number of poles (total)  Number of poles (total)  Number of poles (protected)  Firpionic characteristic  C Release characteristic  Amperage Rating  Z Type  Miniature circuit breaker PL7  Technical Data - Electrical  Voltage (tle) - max  Rated operational voltage (tle) - max  Rated operational voltage (tle) - max  Rated insulation voltage (tle) - max  Rated insulation voltage (tli)  Rated inpulse withstand voltage (tlimp)  Frequency rating - min  Frequency rating - max  Rated short-circuit breaking capacity (ELVEN 60898) at 230 V  Rated short-circuit breaking capacity (ELVEN 60898) at 230 V  Rated short-circuit breaking capacity (ELVEN 60898) at 240 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 60898) at 400 V  Rated short-circuit breaking capacity (ELVEN 608947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short-circuit breaking capacity (ELVEN 60947-2) at 400 V  Rated short		
Number of poles (total)  Number of poles (protected)  Tripping characteristic  C Amporage Reting Type  Technical Data - Electrical  Voltage type Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Frequency rating - min Frequency rating - max Rated short-circuit breaking capacity (EC (88947-2) at 280 V  Rated short-circuit breaking capacity (EC (88947-2) at 280 V  Rated short-circuit breaking capacity (EC (88947-2) at 400 V  Rated short-circuit breaking capacity (EC (88947-2)	Number of poles	
Number of poles (protected)  Tripping characteristic  Release characteristic  Amperage Rating  Type  Miniature circuit breaker PL7  Technical Data - Electrical  Voltage (Ue) - max  Rated operational voltage (Ue) - max  Rated impulse withstand voltage (Uimp)  At V  Frequency rating - min  Frequency rating - min  Frequency rating - min  Rated short-circuit breaking capacity (EV 60988-1)  Rated short-circuit breaking capacity (EV 60988) at 239 V  Rated short-circuit breaking capacity (EV 60988) at 230 V  Rated short-circuit breaking capacity (EV 60988-1)  Rated short-circuit breaking capacity (EV 60988-1)  Rated short-circuit breaking capacity (EV 60988) at 420 V  Rated short-circuit breaking capacity (EV 60988-2) at 230 V  Rated short-circuit breaking capacity (EV 60988-2) at 230 V  Rated short-circuit breaking capacity (EV 60987-2) at 230 V  Rated short-circuit breaking capacity (EV 60947-2) at 400 V  Overvoltage category  Pollution degree  Technical Data - Mechanical  Width in number of modular spacings  Built-in degth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section	·	
Release characteristic Amperage Rating Type    Miniature circuit breaker	Number of poles (protected)	4
Release characteristic Amperage Rating Type    Miniature circuit breaker		
Technical Data - Electrical  Voltage type  Rated operational voltage (Ue) - max  Rated insulation voltage (Ui)  Rated insulation voltage (Uii)  Rated insulation voltage (Uiii)  Rated insulation voltage (Uiiii)  Rated insulation voltage (Uiiiiii)  Frequency rating - min  Frequency rating - max  Rated switching capacity (IEC/EN 60898-1)  Rated switching capacity (IEC/EN 60898-1)  Rated short-circuit breaking capacity (EN 60898) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 200 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  III  Pollution degree  2  Technical Data - Mechanical  Width in number of moduler spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - mix  Connectable conductor cross section (multi-wired) - mix  Connectable conductor cross section (multi-wired) - mix  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)	· · ·	С
Technical Data - Electrical  Voltage type Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated operational voltage (Uinp) 440 V Rated insulation voltage (Uimp) 4 kV Frequency rating - min Frequency rating - min Frequency rating - max Rated short-circuit breaking capacity (IEC (EN 80898-1) Rated short-circuit breaking capacity (IEC 608947-2) at 230 V Rated short-circuit breaking capacity (IEC 608947-2) at 230 V Rated short-circuit breaking capacity (IEC 608947-2) at 2400 V Rated short-circuit breaking capacity (IEC 608947-2) at 400 V Overvoltage category Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings 4 Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In)  25 A	Amperage Rating	25 A
Voltage type Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated insulation voltage (Uimp) 440 V Rated impulse withstand voltage (Uimp) 4 kV Fraquency rating - min Frequency rating - min Frequency rating - max Rated short-circuit breaking capacity (EC/EN 80898-1) Rated short-circuit breaking capacity (EC/EN 80898) at 230 V Rated short-circuit breaking capacity (EC 80947-2) at 230 V Rated short-circuit breaking capacity (EC 80947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 400 V Overvoltage category Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings 4 Built-in depth Built-in depth Built-in depth Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation ((n))	Туре	
Rated operational voltage (Ue) - max  Rated insulation voltage (Ui)  Rated insulation voltage (Uimp)  4 kV  Frequency rating - min  Frequency rating - max  Rated switching capacity (IEC/EN 60898-1)  Rated short-circuit breaking capacity (IEN 60898) at 230 V  Rated short-circuit breaking capacity (IEN 60898) at 230 V  Rated short-circuit breaking capacity (IEN 60898) at 230 V  Rated short-circuit breaking capacity (IEN 60898) at 230 V  Rated short-circuit breaking capacity (IEN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Pollution degree  7 cchnical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  230 V  4 kV  4 kt vi  4	Technical Data - Electrical	
Rated insulation voltage (Uin)  Rated impulse withstand voltage (Uimp)  Frequency rating - min  Frequency rating - max  Rated switching capacity (IEC/EN 60898-1)  Rated short-circuit breaking capacity (EN 60898) at 230 V  Rated short-circuit breaking capacity (EN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 69947-2) at 230 V  Rated short-circuit breaking capacity (IEC 69947-2) at 230 V  Rated short-circuit breaking capacity (IEC 69947-2) at 230 V  Rated short-circuit breaking capacity (IEC 69947-2) at 230 V  Rated short-circuit breaking capacity (IEC 69947-2) at 240 V  Overvoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  4  Built-in depth  Degree of protection  IP20  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Voltage type	AC
Rated impulse withstand voltage (Uimp)  Frequency rating - min  Frequency rating - max  Rated switching capacity (IEC/EN 60898-1)  Rated short-circuit breaking capacity (IEC 60898-1)  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 200 V  Overvoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)	Rated operational voltage (Ue) - max	230 V
Frequency rating - min Frequency rating - max  Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 400 V Rated short-circuit breaking capacity (IEN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree  2  Technical Data - Mechanical Width in number of modular spacings 4 Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In)  25 A	Rated insulation voltage (Ui)	440 V
Frequency rating - max  Rated switching capacity (IEC/EN 60898-1)  Rated short-circuit breaking capacity (EN 60898) at 230 V  Rated short-circuit breaking capacity (EN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Pollution degree  Technical Data - Mechanical  Width in number of modular spacings  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - mia  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  10 kA  10 k	Rated impulse withstand voltage (Uimp)	4 kV
Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree  Technical Data - Mechanical Width in number of modular spacings Auit-in depth Built-in depth Generation Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In)	Frequency rating - min	50 Hz
Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category III Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings 4 Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - mix Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In)  25 A	Frequency rating - max	60 Hz
Rated short-circuit breaking capacity (EN 60898) at 400 V  Rated short-circuit breaking capacity (IEC 60947-2) at 230 V  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)	Rated switching capacity (IEC/EN 60898-1)	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V 0 kA  Rated short-circuit breaking capacity (IEC 60947-2) at 400 V 0 kA  Overvoltage category III  Pollution degree 2  Technical Data - Mechanical  Width in number of modular spacings 4  Built-in depth 69.5 mm  Degree of protection IP20  Connectable conductor cross section (solid-core) - min 1 mm²  Connectable conductor cross section (solid-core) - max 25 mm²  Connectable conductor cross section (multi-wired) - min 1 mm²  Connectable conductor cross section (multi-wired) - max 25 mm²  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In) 25 A	Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V  Overvoltage category  Pollution degree  2  Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  O kA  III  A 4  69.5 mm  1P20  1 mm²  25 mm²  25 mm²  25 mm²  25 mm²  25 mm²	Rated short-circuit breaking capacity (EN 60898) at 400 V	10 kA
Overvoltage category Pollution degree 2  Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In)  III  4  4  4  69.5 mm  1 mm²  25 mm²  25 mm²  25 mm²  25 mm²  25 mm²	Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	0 kA
Pollution degree 2  Technical Data - Mechanical  Width in number of modular spacings 4  Built-in depth 69.5 mm  Degree of protection IP20  Connectable conductor cross section (solid-core) - min 1 mm²  Connectable conductor cross section (solid-core) - max 25 mm²  Connectable conductor cross section (multi-wired) - min 1 mm²  Connectable conductor cross section (multi-wired) - max 25 mm²  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In) 25 A	Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	0 kA
Technical Data - Mechanical  Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)	Overvoltage category	III
Width in number of modular spacings  Built-in depth  Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  4  69.5 mm  1 mm²  25 mm²  25 mm²  25 mm²  25 mm²	Pollution degree	2
Built-in depth  Degree of protection  IP20  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  25 mm²  Connectable conductor cross section (multi-wired) - min  1 mm²  Connectable conductor cross section (multi-wired) - min  25 mm²  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Technical Data - Mechanical	
Degree of protection  Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Connectable conductor cross section (multi-wired) - max  25 mm²  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Width in number of modular spacings	4
Connectable conductor cross section (solid-core) - min  Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Built-in depth	69.5 mm
Connectable conductor cross section (solid-core) - max  Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  25 mm²  25 mm²  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Degree of protection	IP20
Connectable conductor cross section (multi-wired) - min  Connectable conductor cross section (multi-wired) - max  25 mm²  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Connectable conductor cross section (solid-core) - min	1 mm <sup>2</sup>
Connectable conductor cross section (multi-wired) - max  Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Connectable conductor cross section (solid-core) - max	25 mm <sup>2</sup>
Design verification as per IEC/EN 61439 - technical data  Rated operational current for specified heat dissipation (In)  25 A	Connectable conductor cross section (multi-wired) - min	1 mm <sup>2</sup>
Rated operational current for specified heat dissipation (In)  25 A	Connectable conductor cross section (multi-wired) - max	25 mm <sup>2</sup>
	Design verification as per IEC/EN 61439 - technical data	
Heat dissipation per pole, current-dependent 0 W	Rated operational current for specified heat dissipation (In)	25 A
	Heat dissipation per pole, current-dependent	0 W
Equipment heat dissipation, current-dependent 12 W	Equipment heat dissipation, current-dependent	12 W

Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	75 °C
Design verification as per IEC/EN 61439	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information	
Current limiting class	3
Features	Additional equipment possible
Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with	PL7 Miniature circuit breaker

## **Technical data ETIM 8.0**

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

Release characteristic  Number of poles (total)  Number of protected poles  Rated current  Rated voltage  V 230  Rated insulation voltage Uimp Rated insulation voltage Uimp Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V	(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Number of poles (total) Number of protected poles Acted current A 25 Acted voltage V 230 Acted insulation voltage Ui Acted insulation voltage Uimp Acted insulation voltage Uimp Acted short-circuit breaking capacity Icn according to EN 60898 at 230 V Acted short-circuit breaking capacity Icn according to EN 60898 at 400 V Acted short-circuit breaking capacity Icn according to IEC 60947-2 at 230 V Acted short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Acted Short-circuit breaking capacity Icu according	Built-in depth	mm	69.5
Number of protected poles  A 25 Rated current  A 25 Rated voltage  V 230 Rated insulation voltage Ui Rated insulation voltage Uimp  A 40 Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V  Voltage type  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icn according to IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	Release characteristic		С
Rated current  A 25 Rated voltage  V 230 Rated insulation voltage Ui  V 440 Rated impulse withstand voltage Uimp  Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	Number of poles (total)		4
Rated voltage  Rated insulation voltage Ui  V  440  Rated impulse withstand voltage Uimp  KV  4  Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	Number of protected poles		4
Rated insulation voltage Ui  Rated impulse withstand voltage Uimp  Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	Rated current	Α	25
Rated impulse withstand voltage Uimp  kV 4  Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V  kA 10  AC  Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  kA 0  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  kA 0  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  kA 0  Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V  kA 0	Rated voltage	V	230
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	Rated insulation voltage Ui	V	440
AC Rated short-circuit breaking capacity Icu according to EN 60898 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 200 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V RA Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icu according to EN 60898 at 400 V	Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	Voltage type		AC
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V KA 0 Frequency Hz 50 - 60	Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	10
Frequency Hz 50 - 60	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	0
	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	kA	0
Current limiting class 3	Frequency	Hz	50 - 60
	Current limiting class		3
Flush-mounted installation No	Flush-mounted installation		No

Concurrently switching neutral conductor		No
, ,		
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		4
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 75
Connectable conductor cross section multi-wired	mm²	1 - 25
Connectable conductor cross section solid-core	mm²	1 - 25
Explosion-proof		No