

# S223-K10



Miniature Circuit Breaker - S220 - 3P - K - 10 ampere

## General Information

Extended Product Type	S223-K10
Product ID	GHS2230001R0427
EAN	4012233321001
Catalog Description	Miniature Circuit Breaker - S220 - 3P - K - 10 ampere
Long Description	S223-K10 Miniature Circuit Breaker K-Char., 10kA, 10A, 3P

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Replacement Product ID (NEW)	2CCS863001R0427

## Popular Downloads

Data Sheet, Technical Information	2CDC414003D0201
Instructions and Manuals	2CDC414003D0201

## Dimensions

Product Net Width	92 mm
Product Net Depth / Length	183 mm
Product Net Height	93 mm
Product Net Weight	0.54 kg

## Technical

Standards	IEC/EN 60947-2 UL 1077
Number of Poles	3
Tripping Characteristic	K
Rated Current ( $I_n$ )	10 A
Rated Operational Voltage	acc. to IEC 60947-2 690 V AC
Power Loss	3 W at Rated Operating Conditions per Pole 1 W
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 440 V
Operational Voltage	Maximum (Incl. Tolerance) 690 V AC

Maximum (Incl. Tolerance) 110 V DC  
Minimum 12 V AC / 12 V DC

Rated Frequency (f)	50 Hz 60 Hz
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(690 V AC) 3 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(690 V AC) 3 kA
Overvoltage Category	III
Pollution Degree	3
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Housing Material	Insulation Group I, RAL 7035
Actuator Type	Insulation group II, black, sealable
Contact Position Indication	Red ON / Green OFF
Degree of Protection	IP20
Electrical Endurance	20000 AC cycle 20000 cycle
Terminal Type	Screw Terminals
Screw Terminal Type	Cage Terminal
Connecting Capacity	Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 25 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup>
Tightening Torque	2 N·m
Recommended Screw Driver	Pozidriv 2
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any

## Environmental

Ambient Air Temperature	Operation -25 ... +45 °C Storage -40 ... +70 °C
Ambient Air Temperature Compensation	Yes
Resistance to Shock acc. to IEC 60068-2-27	10g / 20 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V AC
Connecting Capacity UL/CSA	Busbar 6-36 AWG Conductor 4 AWG
Interrupting Rating acc. to UL1077	(690 V AC) 3 kA

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK403015D2704
Environmental Information	1SAA93101
Instructions and Manuals	2CDC414003D0201
RoHS Information	2CDK400010K0201

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## Container Information

Package Level 1 Units	3 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	183 mm
Package Level 1 Height	93 mm
Package Level 1 Gross Weight	1.67 kg
Package Level 1 EAN	4012233321001

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## Classifications

Object Classification Code	F
ETIM 4	EC000042 - Miniature circuit breaker (MCB)
ETIM 5	EC000042 - Miniature circuit breaker (MCB)
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

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## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
GHS2201904R0003	S220-H11 - Auxiliary Contact	S220-H11	1	piece

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## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs

