

PRODUCT-DETAILS

S751/3DR-K50

S751/3DR-K50 sel. main CB K-Char.,25kA,50A,3x1P



General Information

Extended Product Type	S751/3DR-K50
Product ID	2CDH781001R2577
EAN	4016779838894
Catalog Description	S751/3DR-K50 sel. main CB K-Char.,25kA,50A,3x1P
Long Description	Selective main circuit-breakers of the S 750 DR series are SMCBs based on DIN VDE 0641-21 with voltage-independent operating principle. This means that they do not rely on a control circuit to make or break contact (SHU) and are therefore particularly suitable for use in energy distributionsystems with maximum availability requirements. They offer total selectivity to downstream MCBs and outstanding selectivity to upstream protective devices due to unique current limiting selectivity.

Technical

Standards	DIN VDE 0641-21
Number of Poles	3x1
Tripping Characteristic	K (Selective)
Rated Current (I_n)	50 A
Rated Operational Voltage	230 / 400 V AC
Power Loss	at Rated Operating Conditions per Pole 7.2 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 690 V
Rated Frequency (f)	50 Hz 60 Hz
Rated Short-Circuit Capacity (I_{cn})	(230 / 400 V AC) 25 kA

Overvoltage Category	IV
Pollution Degree	3
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Actuator Marking	I / O
Contact Position Indication	Red ON / Green OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover
Terminal Type	Screw Terminals
Screw Terminal Type	Cable Clamp
Connecting Capacity	Flexible with Ferrule 2.5 ... 50 mm ² Flexible 2.5 ... 50 mm ² Rigid 2.5 ... 50 mm ² Stranded 2.5 ... 50 mm ²
Tightening Torque	2.5 ... 3 N·m
Recommended Screw Driver	Cross Recess Pozidriv 2 Slotted 1 x 5.5
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
Function	Single Pole Switching
Installation Size	acc. to DIN 43880 3
Power Supply Connection	Arbitrary
Suitable for Isolation	Yes

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Resistance to Shock acc. to IEC 60068-2-27	30g / 3 shocks / 11 ms
Resistance to Vibrations acc. to IEC 60068-2-6	2g, 20 cycles at 5 ... 150 ... 5Hz
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status	Following EU Directive 2011/65/EU

Dimensions

Product Net Width	27 mm
Product Net Depth / Length	92 mm
Product Net Height	130 mm
Product Net Weight	1.05 kg

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	133 mm
Package Level 1 Depth / Length	157 mm
Package Level 1 Height	108 mm
Package Level 1 Gross Weight	1.15 kg
Package Level 1 EAN	4016779842310

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85369095

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400634D2701
Instructions and Manuals	2CDS707001P0004
RoHS Information	2CDK400642D0201

Popular Downloads

Data Sheet, Technical Information	2CDC415012D0104
Instructions and Manuals	2CDS707001P0004

Classifications

Object Classification Code	F
ETIM 6	EC001047 - Selective main line circuit breaker
ETIM 7	EC001047 - Selective main line circuit breaker
ETIM 8	EC001047 - Selective main line circuit breaker
eClass	V11.0 : 27141903
UNSPSC	39121614

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Selective Main Circuit Breakers SMCBs → S750DR

