



Structure of the Order Code

CSK3 - 400 - 3 - 116 - 32

Type code:
CSK

Enclosure size:
1 – 160x260x90 mm
2 – 255x250x120 mm
3 – 250x400x120 mm

Supply voltage:
230 – 230 VAC
400 – 400 VAC

Protection degree:
0 – without protection
1 – overcurrent protection only
2 – residual current protection only
3 – full protection

Number of built-in sockets:
3P+N+PE – 32A
3P+N+PE – 16A
2P+PE – 16A

Rated current:
16 – 16A
25 – 25A
32 – 32A

Application

The CSK... type plastic-enclosed socket combinations are distribution units used for the plug-in connection, overcurrent protection, short-circuit protection, and residual current protection of single-phase and three-phase electrical appliances. They are intended for distributing electrical power in household (domestic) applications and other locations where operation is performed by ordinary (unskilled) persons. Since they can be operated by unskilled persons, they can be used not only in industrial, agricultural, and transport facilities, but also in residential applications (e.g., office buildings, single-family/multi-family houses, underground garages, workshops, containers, and outdoor connection points due to adequate protection).

Construction

The core of this combination series consists of glass-fiber reinforced polyester enclosures with overall dimensions of 160x260x90 mm, 255x250x120 mm, and 250x400x120 mm [W x H x D]. The cover is hinged to the base on the left side with 2 hinges, allowing the enclosure to be opened by loosening 2 screws.

Mounting and Connection

The distribution board must be mounted on a vertical plane so that the markings and labels remain readable. Mounting dimensions are indicated on the dimensional drawing, the product leaflet, and on the back panel of the enclosure. Supply cable connection is from the bottom via Pg16, Pg21, or Pg29 cable glands. The recommended supply cable type is H07RN-F.

CSK1 Socket Combinations

	Type	Enclosure size	V	Protection version	Sockets			A	Order Code
					3P+N+PE 32A	3P+N+PE 16A	2P+PE 16A		
	CSK1-230-X-002-X	CSK1	230	0	0	0	2	-	CSK1-230-0-002
				1				16	CSK1-230-1-002-16
				1				32	CSK1-230-1-002-32
				2				16	CSK1-230-2-002-16
				3				16	CSK1-230-3-002-16
				3				25	CSK1-230-3-002-25
				3				32	CSK1-230-3-002-32
	CSK1-230-X-004-X	CSK1	230	0	0	0	4	-	CSK1-230-0-004
				1				16	CSK1-230-1-004-16
				1				32	CSK1-230-1-004-32
				2				16	CSK1-230-2-004-16
				3				16	CSK1-230-3-004-16
				3				25	CSK1-230-3-004-25
				3				32	CSK1-230-3-004-32
	CSK1-400-X-004-X	CSK1	400	0	0	0	4	-	CSK1-400-0-004
				1				16	CSK1-400-1-004-16
				1				32	CSK1-400-1-004-32
				2				16	CSK1-400-2-004-16
				3				16	CSK1-400-3-004-16
				3				25	CSK1-400-3-004-25
				3				32	CSK1-400-3-004-32
	CSK1-400-X-011-X	CSK1	400	0	0	1	1	-	CSK1-400-0-011
				1				16	CSK1-400-1-011-16
				1				32	CSK1-400-1-011-32
				2				16	CSK1-400-2-011-16
				3				16	CSK1-400-3-011-16
	CSK1-400-X-101-X	CSK1	400	0	1	0	1	-	CSK1-400-0-101
				1				32	CSK1-400-1-101-32
				2				16	CSK1-400-2-101-16
				3				32	CSK1-400-3-101-32
	CSK1-400-X-020-X	CSK1	400	0	0	2	0	-	CSK1-400-0-020
				1				16	CSK1-400-1-020-16
				1				32	CSK1-400-1-020-32
				2				16	CSK1-400-2-020-16
				3				16	CSK1-400-3-020-16
	CSK1-400-X-200-X	CSK1	400	0	2	0	0	-	CSK1-400-0-200
				1				32	CSK1-400-1-200-32
				2				32	CSK1-400-2-200-32
				3				32	CSK1-400-3-200-32

CSK2 Socket Combinations

	Type	Enclosure size	V	Protection version	Sockets			A	Order Code
					3P+N+PE 32A	3P+N+PE 16A	2P+PE 16A		
	CSK2-400-X-013-X	CSK2	400	0	0	1	3	-	CSK2-400-0-013
				1				16	CSK2-400-1-013-16
				1				32	CSK2-400-1-013-32
				2				16	CSK2-400-2-013-16
				3				16	CSK2-400-3-013-16
				3				25	CSK2-400-3-013-25
				3				32	CSK2-400-3-013-32
	CSK2-400-X-021-X	CSK2	400	0	0	2	1	-	CSK2-400-0-021
				1				16	CSK2-400-1-021-16
				1				32	CSK2-400-1-021-32
				2				16	CSK2-400-2-021-16
				3				16	CSK2-400-3-021-16
				3				25	CSK2-400-3-021-25
				3				32	CSK2-400-3-021-32
	CSK2-400-X-103-X	CSK2	400	0	1	0	3	-	CSK2-400-0-103
				1				32	CSK2-400-1-103-32
				2				16	CSK2-400-2-103-16
				3				32	CSK2-400-3-103-32
	CSK2-400-X-201-X	CSK2	400	0	2	0	1	-	CSK2-400-0-201
				1				32	CSK2-400-1-201-32
				2				16	CSK2-400-2-201-16
				3				32	CSK2-400-3-201-32
	CSK2-400-X-111-X	CSK2	400	0	1	1	1	-	CSK2-400-0-111
				1				32	CSK2-400-1-111-32
				2				16	CSK2-400-2-111-16
				3				32	CSK2-400-3-111-32

CSK3 Socket Combinations

	Type	Enclosure size	V	Protection version	Sockets			A	Order Code
					3P+N+PE 32A	3P+N+PE 16A	2P+PE 16A		
	CSK3-400-3-006	CSK3	400	3	0	0	6	32	CSK3-400-3-006-32
	CSK3-400-3-016	CSK3	400	3	0	1	6	32	CSK3-400-3-016-32
	CSK3-400-3-106	CSK3	400	3	1	0	6	32	CSK3-400-3-106-32
	CSK3-400-3-116	CSK3	400	3	1	1	6	32	CSK3-400-3-116-32
	CSK3-400-3-124	CSK3	400	3	1	2	4	32	CSK3-400-3-124-32

Technical Data

Parameter	Specification / Value	
Rated insulation voltage	- with single-phase socket:	250 V 50 Hz
	- with three-phase socket:	500 V 50 Hz
Rated operating voltage		400/230 V 50 Hz
Protection class		Class I
Ingress protection rating		IP54C
Mechanical impact protection	IK05 indoors	IK07 outdoors
Ambient temperature		-20°C to +40°C
Pollution degree		3 (normal industrial environment)
Applicable standard	MSZ EN 61439-3	Low-voltage switchgear and controlgear assemblies. Part 3: Distribution boards intended to be operated by ordinary persons (DBO) (IEC 61439-3:2013)

Terminal Cross-Sections and Conductor Ratings

Rated Current [A]	Incoming Terminal Cross-Section [mm²]	Min. Wire Cross-Section [mm²]	
		min.*	max.
16	4	1,5	6
25	6	1,5	10
32	10	1,5	16

*The user must ensure adequate upstream backup protection!

Dimensions

Enclosure*	Width [mm]	Height [mm]	Depth [mm]
CSK1	160	260	90
CSK2	255	250	120
CSK3	250	400	120

* Overall dimensions of the equipment may vary depending on the specific socket combinations; see individual product datasheets.

Custom designs according to specific requirements are available upon request!

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