

## ■ STAINLESS STEEL ENCLOSURE - 16A-160A



## ■ VERSIONS



Surface mounting

## ■ REFERENCE STANDARDS

### EN 60947-3

Low voltage switchgear and controlgear.  
Part 3: switches, disconnectors, switch-disconnectors  
and fuse-combination unit.

### EN 60529

Degrees of protection provided by enclosure.

## ■ TECHNICAL CHARACTERISTICS

Polarity:	<b>2P-3P-3P+N-6P-8P</b>
Rated current:	<b>16A*-20A-25A*-32A-40A-63A 80A-100A-125A-160A</b>
Protection degree:	<b>IP65</b>
Operating ambient temperature according to the reference standard:	<b>-5°C +40°C</b>
Min-Max. operating ambient temperature:	<b>-25°C +60°C</b>
IK degree:	<b>IK10</b>
Material:	<b>Stainless steel 304L (316L stainless steel on request)</b>

3P+N with late break early make neutral pole.  
Equipped with door locking.  
Padlockable handle.  
\* Only for 6 and 8 poles.

## ■ BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	Rayons UV
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

## ■ CABLE INLETS

Stainless steel enclosure 3 and 4 poles

Size	Rated current (A)	Nr of poles	Enclosure dimensions	Cable entries		
				Top	Bottom	Rear
1	20-32-40	3-4	176x136x85	Blank side	-	Blank side
				Blank side	-	Blank side
				Blank side	-	Blank side
2	63-80-100	3-4	226x176x90	Blank side	-	Blank side
				Blank side	-	Blank side
				Blank side	-	Blank side
3	125-160	3-4	306x226x115	Blank side	-	Blank side
				Blank side	-	Blank side
				Blank side	-	Blank side

Perforated or threaded entries on request.

## ■ CABLE INLETS

Stainless steel enclosure 6 and 8 poles

Size	Rated current (A)	Nr of poles	Enclosure dimensions	Cable entries		
				Top	Bottom	Rear
3	16-25-32-40-63-80-100-125-160	6-8	306x226x115	Blank side	-	Blank side
				Blank side	-	Blank side
				Blank side	-	Blank side

Perforated or threaded entries on request.

## ■ APPLICATION EXAMPLES



## ■ TECHNICAL DATA SWITCH DISCONNECTORS 2P,3P, 3P+N

		20A	32A	40A	63A	80A	100A	125A	160A		
Rated insulation voltage	<b>Ui</b>	VAC	690	690	690	800	800	800	800		
Rated impulse withstand voltage	<b>Uimp</b>	kV	4	4	4	8	4	8	8		
Thermal current	<b>Ith/Ithe</b>	A	30	40	40	63	80	100	125		
Rated operational current – Ie	<b>AC21A</b> Resistive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
		500V	A	20	32	32	63	80	100	125	160
		690V	A	20	32	32	63	80	100	125	160
	<b>AC22A</b> Mixed resistive and inductive loads, including moderate overloads	415V	A	20	32	40	63	80	100	125	160
		500V	A	20	32	32	63	80	100	125	160
		690V	A	20	32	32	40	40	-	125	160
	<b>AC23A</b> Switching of motor loads or other highly inductive loads (3 phase / 3 pole)	415V	A	20	32	35	63	80	100	125	160
		500V	A	20	25	25	63	63	-	125	125
		690V	A	20	25	25	32	32	-	100	100
	<b>AC23A</b> Rated operational power	415V	kW	9	15	18.5	35	37	46	55	69
	<b>AC3</b> Squirrel-cage motor: starting, switching off motor during running (3 phase / 3 pole)	400V	A	-	28.5	28.5	-	-	-	-	-
		690V	A	12	20	20	25	32	-	-	-
Rated short time withstand current	<b>Icw</b> (1s)	A	400	400	400	1500	1500	1500	3000	3000	
Conditional short circuit current	<b>Ip</b>	KAeff	10	10	10	50	50	30	50	50	
Associate fuse size for conditional short circuit current - Type gG		A	20	32	40	63	80	100	125	125	
Flexible wire		mm²	1.5-10	1.5-10	1.5-10	10-50	10-50	10-50	10-70	10-70	
Rigid wire		mm²	1.5-16	1.5-16	1.5-16	10-50	16-50	10-50	10-70	10-70	

## ■ TECHNICAL DATA SWITCH DISCONNECTORS 6 AND 8 POLES

		16A	25A	32A	40A	63A	80A	100A	125A	160A	
Rated insulation voltage	<b>Ui</b>	VAC	800	800	800	800	800	800	800	800	
Rated impulse withstand voltage	<b>Uimp</b>	kV	8	8	8	8	8	8	8	8	
Thermal current	<b>Ith/Ithe</b>	A	16	25	32	40	63	80	100	125	
Rated operational current – Ie	<b>AC21A</b> Resistive loads, including moderate overloads	415V	A	16	25	32	40	63	80	100	125
		500V	A	16	25	32	40	63	160	80	125
		690V	A	16	25	32	40	63	160	80	125
	<b>AC22A</b> Mixed resistive and inductive loads, including moderate overloads	415V	A	16	25	32	40	63	160	80	125
		500V	A	16	25	32	40	63	160	80	125
		690V	A	16	25	32	40	40	40	40	125
	<b>AC23A</b> Switching of motor loads or other highly inductive loads (3 phase / 3 pole)	415V	A	16	25	32	40	63	80	100	125
		500V	A	16	25	32	40	63	63	63	125
		690V	A	16	25	25	25	32	32	32	100
	<b>AC23A</b> Rated operational power	415V	kW	7.5	11	15	18.5	35	37	46	55
	Rated short time withstand current	<b>Icw</b> (1s)	A	1100	1100	1100	1100	1500	1500	1500	3000
	Conditional short circuit current	<b>Ip</b>	KAeff	50	50	50	50	50	50	30	50
Associate fuse size for conditional short circuit current - Type gG		A	16	25	32	40	63	80	100	125	
Flexible wire		mm²	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	
Rigid wire		mm²	4-25	4-25	4-25	4-25	10-50	10-50	10-50	10-70	