

telergon
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S3 Series Compact AC Disconnects



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The Telergon S3 Series is a compact and modular range of non fusible disconnects designed for safe isolation in industrial and commercial low-voltage installations. Engineered for reliability and flexibility, the S3 series meets the most demanding international standards, ensuring optimal performance in modern electrical distribution systems.

Current Ranges & Standards

- Rated current: from 16A up to 125A
- Rated operational voltage: up to 600V AC
- Enclosed versions (polyester and aluminium)
- Short-circuit withstand: up to 20kA

Key Features

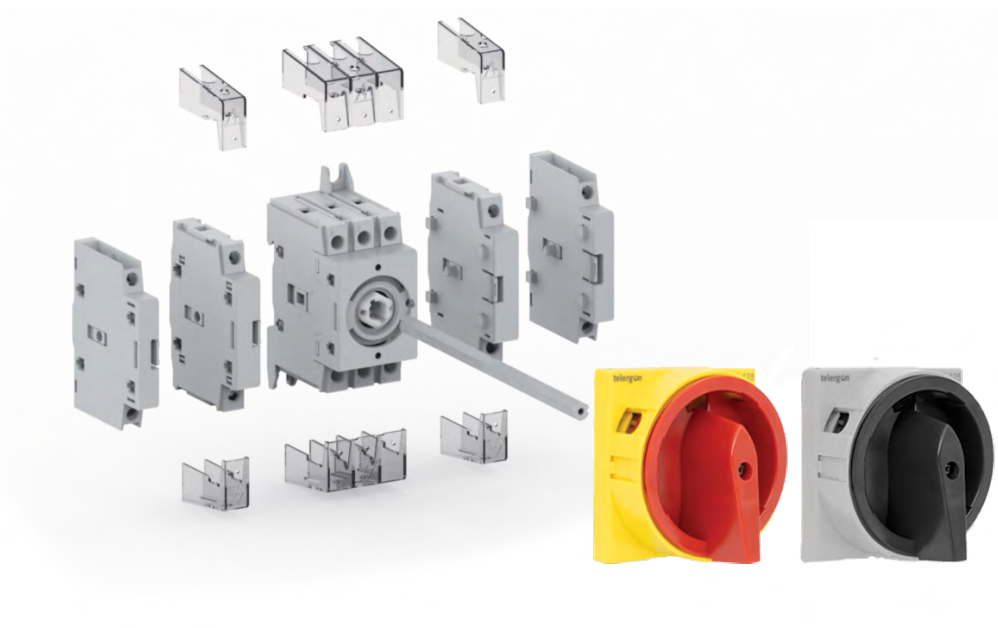
- Positive opening mechanism for enhanced operator safety
- Direct or external handle operation, with Type 4/4X, IP65 protection
- Compact footprint for space-constrained panels
- DIN-rail or door mounting for easy installation
- Wide range of accessories: auxiliary contacts, neutral pole, terminal shrouds
- Modular design: up to 4 poles for versatile configurations
- Padlockable handles with up to 3 padlocks.

Applications

- Industrial switchboards and control panels (UL508A)
- Suitable for motor disconnects
- Electrical distribution in commercial and tertiary buildings
- OEM solutions for HVAC, machinery, and automation
- Renewable energy systems and auxiliary services in power electronics

Certified for global markets

- UL60947-1 & UL60947-4-1 LISTED (formerly UL508)
- UL Guide NLRV, File E123623
- CSA 22.2 No 60947-4-1
- IEC 60947-3



► TECHNICAL DATA | UL 60947-1 & UL 60947-4-1



UL LISTED US SAFETY APPROVED			Size								
			000					00		0	
ELECTRICAL DATA											
Amperage rating	Ith	A	16	20	25	32	40	63	80	100	125
Rated voltage	Ue	Vac	600								
DOL-Rating 3-phase (Direct on line)	110-120V	HP (A)	2 (13.6)	2 (13.6)	2 (13.6)	2 (13.6)	2 (13.6)	5 (30.4)	5 (30.4)	15 (84.0)	15 (84.0)
	220-240V		5 (15.2)	5 (15.2)	5 (15.2)	5 (15.2)	5 (15.2)	10 (28.0)	10 (28.0)	30 (80.0)	30 (80.0)
	440-480V		10 (11.0)	10 (11.0)	10 (11.0)	10 (11.0)	10 (11.0)	20 (27.0)	20 (27.0)	60 (77.0)	60 (77.0)
	550-600V		15 (17.0)	15 (17.0)	15 (17.0)	15 (17.0)	15 (17.0)	25 (27.0)	25 (27.0)	60 (77.0)	60 (77.0)
DOL-Rating 1-phase (Direct on line)	110-120V	HP	1 (16.0)	1 (16.0)	1 (16.0)	1 (16.0)	1 (16.0)	2 (24.0)	2 (24.0)	7.5 (80.0)	7.5 (80.0)
	200-208V		2 (13.2)	2 (13.2)	2 (13.2)	2 (13.2)	2 (13.2)	3 (18.7)	3 (18.7)	10 (55.0)	10 (55.0)
	220-240V		3 (17.0)	3 (17.0)	3 (17.0)	3 (17.0)	3 (17.0)	5 (28.0)	5 (28.0)	15 (68.0)	15 (68.0)
Max. pole power dissipation		W	0.3	0.45	0.6	1.1	1.6	2.8	4	4.5	6.3
SHORT CIRCUIT CURRENT RATINGS											
Standard Fault	600V	kA	5					5		10	
Maximum fuse size (RK5)		A	35					50		125	
CONNECTION CAPACITY											
Cable cross section	AWG	mm²	#6 - #16					#2 - #14		#00 - #8	
Tightening torque	lb-in	Nm	4.42-13.27					22.14-44.25		48.67-75.23	
MECHANICAL DATA											
Number of operating cycles	Cycles		100,000								

► TECHNICAL DATA | IEC 60947-3



IEC			Size								
			000				00		0		
ELECTRICAL DATA											
Thermal current (-5...+40°C)	Ith	A	16	20	25	32	40	63	80	100	125
Rated insulation voltage	Ui	Vac	800								
Rated impulse withstand voltage	Uimp	kV	8								
AC rated operational current	Ue 415V AC23A	A	16	20	25	32	40	63	80	100	125
AC rated operational power	Ue 415V AC23A	kW	7.5	9	11	15	18.5	30	37	45	55
SHORT CIRCUIT BEHAVIOR (fuse protected)											
Fuse type	415V	A	16	20	25	32	40	63	80	100	125
Rated conditional short-circuit current	415V	kA	10					15		20	
SHORT CIRCUIT PERFORMANCE (unprotected)											
Rated short-time withstand current 1S	Icw	kA (rms)	0.5					0.85		2.75	
Rated short circuit making capacity	Icm	kA (peak)	0.85					1.5		3.9	
CONNECTION CAPACITY											
Cable cross section		mm2	1.5~10					2.5~35		10~70	
MECHANICAL DATA											
Number of operating cycles	Cycles		100.000								

Compact AC Disconnects

► NON-FUSIBLE DISCONNECTS UL TYPE 4, 4X



Size	Amp	DIN-RAIL MOUNT (DB)*1		DOOR MOUNT (PM)		THROUGH-THE-DOOR BASE MOUNT (DC)	
		3P	3P	3P	3P	3P	3P
		Part Number	Part Number	Part Number	Part Number	Part Number	Part Number
000	16	S3-00163P5DB	S3-00163P1DB	S3-00163P4PM	S3-00163P3PM	S3-00163P4DC	S3-00163P3DC
	20	S3-00203P5DB	S3-00203P1DB	S3-00203P4PM	S3-00203P3PM	S3-00203P4DC	S3-00203P3DC
	25	S3-00253P5DB	S3-00253P1DB	S3-00253P4PM	S3-00253P3PM	S3-00253P4DC	S3-00253P3DC
	32	S3-00323P5DB	S3-00323P1DB	S3-00323P4PM	S3-00323P3PM	S3-00323P4DC	S3-00323P3DC
	40	S3-00403P5DB	S3-00403P1DB	S3-00403P4PM	S3-00403P3PM	S3-00403P4DC	S3-00403P3DC
00	63	S3-00633P5DB	S3-00633P1DB	S3-00633P4PM	S3-00633P3PM	S3-00633P4DC	S3-00633P3DC
	80	S3-00803P5DB	S3-00803P1DB	S3-00803P4PM	S3-00803P3PM	S3-00803P4DC	S3-00803P3DC
	100	S3-01003P5DB	S3-01003P1DB	S3-01003P4PM	S3-01003P3PM	S3-01003P4DC	S3-01003P3DC
0	125	S3-01253P5DB	S3-01253P1DB	S3-01253P4PM	S3-01253P3PM	S3-01253P4DC	S3-01253P3DC

*1 For DIN-Rail mount (DB), UL Type 1

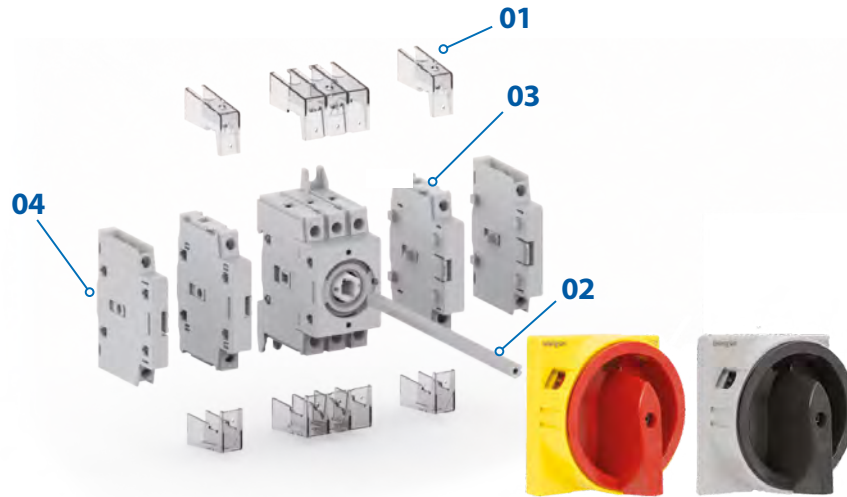
The handle is included as standard on all versions. A 5.31" (135 mm) shaft is included in the DC version.

► ENCLOSED SOLUTIONS (EP/EA) UL TYPE 4, 4X

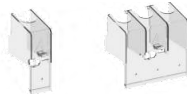


Size	Amp	Polyester		Aluminium	
		3P	3P	3P	3P
		Part Number	Part Number	Part Number	Part Number
000	16	S3-00163P4EP	S3-00163P3EP	S3-00163P4EA	S3-00163P3EA
	20	S3-00203P4EP	S3-00203P3EP	S3-00203P4EA	S3-00203P3EA
	25	S3-00253P4EP	S3-00253P3EP	S3-00253P4EA	S3-00253P3EA
	32	S3-00323P4EP	S3-00323P3EP	S3-00323P4EA	S3-00323P3EA
	40	S3-00403P4EP	S3-00403P3EP	S3-00403P4EA	S3-00403P3EA
00	63	S3-00633P4EP	S3-00633P3EP	S3-00633P4EA	S3-00633P3EA
	80	S3-00803P4EP	S3-00803P3EP	S3-00803P4EA	S3-00803P3EA
	100	S3-01003P4EP	S3-01003P3EP	-	-
0	125	S3-01253P4EP	S3-01253P3EP	-	-

Compact AC Disconnects

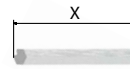


01 Terminal shrouds

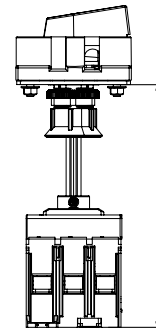


Size	Amp	1P (1 unit)	3P (1 unit)
		Part Number	Part Number
000	16A-40A	DS3CUA2	DS3CUA1
00	63A-80A	DS3CUB2	DS3CUB1
0	100A-125A	DS3CU02	DS3CU01

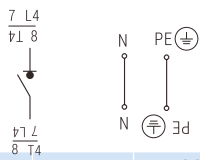
02 Shaft options



L min		L max		X		Part Number
mm	inch	mm	inch	mm	inch	
108	4.25	187.2	7.37	135	5.31	Standard shaft
108	4.25	202.2	7.96	150	5.91	DS3EPB1
108	4.25	252.2	9.93	200	7.87	DS3EPB2
108	4.25	372.2	14.65	320	12.60	DS3EPB3



03 Side Mount Add-on Pole



Size	Amp	Width (mm)	Simultaneous		Early-make		Fixed neutral		Earth /Ground	
			Front installation	Reverse installation	Front installation	Reverse installation	Front installation	Reverse installation	Front installation	Reverse installation
			DB/DC/EP/EA	PM	DB/DC/EP/EA	PM	DB/DC/EP/EA	PM	DB/DC/EP/EA	PM
000	16A-40A	11	DS3PSAF	DS3PSAR	DS3PDAF	DS3PDAR	DS3PNAF	DS3PNAR	DS3PEAF	DS3PEAR
00	63A-80A	16	DS3PSBF	DS3PSBR	DS3PDBF	DS3PDBR	DS3PNBF	DS3PNBR	DS3PEBF	DS3PEBR
0	100A-125A	21.3	DS3PS0F	DS3PS0R	DS3PD0F	DS3PD0R	DS3PN0F	DS3PN0R	DS3PE0F	DS3PE0R

Maximum capacity:

1 pole (Fixed Power/Neutral/Earth) + 3 auxiliary contacts (NO/NC)

2 poles (Fixed Power/Neutral/Earth) + 1 auxiliary contact (NO/NC)

04 Add-on Auxiliary Contacts



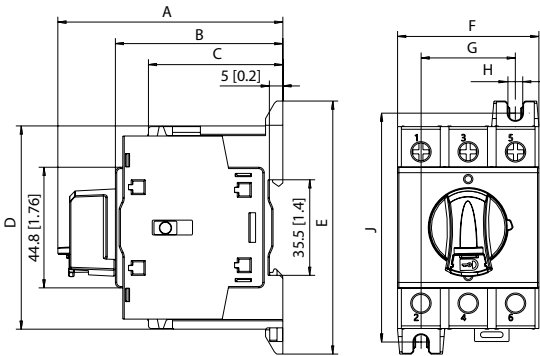
Width		1NO+1NC		2NO	
		DB/DC/EP/EA	PM	DB/DC/EP/EA	PM
mm	inch				
9	0.35	DS3AUP1	DS3AUP1R	DS3AUP2	DS3AUP2R

Maximum of 3 auxiliary contacts (NO/NC). See user manual for details.

AC electrical characteristics AC-13: 10A, 230 VAC; AC-15: 6A, 230 VAC.

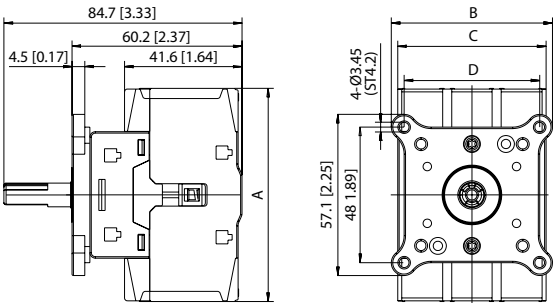
Dimensions

DIN-RAIL MOUNTING (DB)



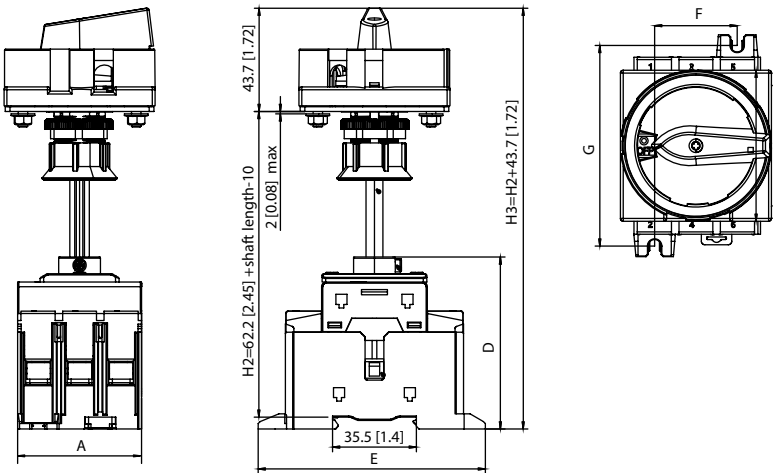
		Size	A	B	C	D	E	F	G	H	I*	J
S3	mm	000	83.7	62.5	49.9	68.5	87	35.5	23.7	5.5	11	78
		00	84	62.5	49.9	75.5	94	52.5	35	5.5	16	85
		0	83.7	62.5	52.2	109.6	130.6	69.1	23.9	5.4	20.9	122
	in.	000	3.3	2.46	1.96	2.7	3.4	1.4	0.9	0.2	0.4	3.1
		00	3.307	2.461	1.965	2.972	3.701	2.067	1.378	0.217	0.630	3.346
		0	3.295	2.461	2.055	4.315	5.142	2.720	0.941	0.213	0.823	4.803

DOOR MOUNTING (PM)



		Size	A	B	C	D	E*
S3	mm	000	68.5	57.1	48	35.5	11
		00	75.5	57.1	48	48	16
		0	109.6	57.1	48	48	20.9
	in.	000	2.697	2.248	1.890	1.398	0.433
		00	2.972	2.248	1.890	1.890	0.630
		0	4.31	2.248	1.890	1.890	0.823

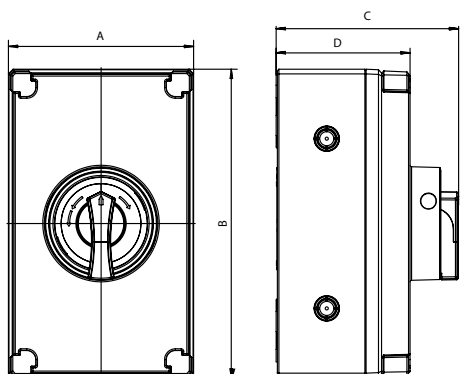
THROUGH-THE-DOOR BASE MOUNT (DC)



		Size	A	B*	C	D	E	F	G
S3	mm	000	35.5	1	46.5	72.8	68.5	23.7	78
		00	52.5	16	68.5	72.9	94	35	85
		0	69.1	21.3	90.4	72.8	109.6	23.9	122
	in.	000	1.398	0.039	1.831	2.866	2.697	0.933	3.071
		00	2.067	0.630	2.697	2.874	3.701	1.378	3.346
		0	2.720	0.839	3.559	2.866	4.315	0.941	4.803

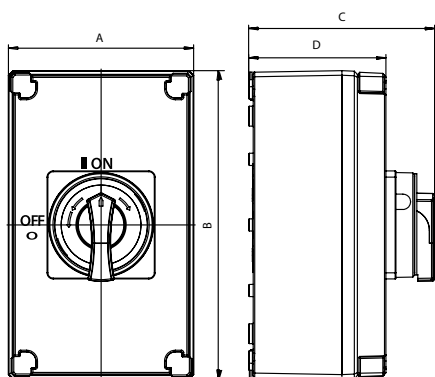
Dimensions

▶ PLASTIC ENCLOSURE (EP)



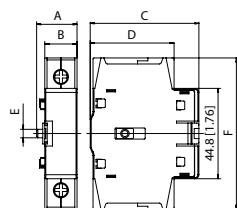
	Size	A	B	C	D
		3P	3P	3P	3P
S3 mm	000	105	150	118	86.8
	00	120	200	118	86.8
	0	205	320	142	110.8
S3 in.	000	4.134	5.906	4.646	3.417
	00	4.724	7.874	4.646	3.417
	0	8.071	12.598	5.591	4.362

▶ ALUMINIUM ENCLOSURE (EA)



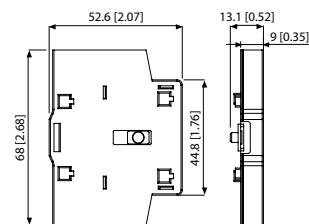
	Size	A	B	C	D
S3 mm	000	105	150	120.6	89
	00	120	200	120.6	89
	0	205	320	142	110.8
S3 in.	000	4.134	5.906	4.748	3.504
	00	4.724	7.874	4.748	3.504
	0	8.071	12.598	5.591	4.362

▶ AUXILIARY CONTACT



	Size	A	B	C		D		EØ	F
				DB / DC	PM	DB / DC	PM		
S3 mm	000	15.1	11	53.9	52.6	41.6		4.1	68
	00	20	16	53.9	52.6	41.6		4.2	75
	0	25.3	21.3	53.9	52.6	43.9	43.86	3.8	109.5
S3 in.	000	0.59	0.43	2.12	2.07	1.64		0.16	2.68
	00	0.78	0.63	2.12	2.07	1.64		0.17	2.95
	0	0.99	0.84	2.12	2.07	1.73	1.73	0.15	4.31

▶ ADD ON POLE



DB / DC & PM MOUNTING

