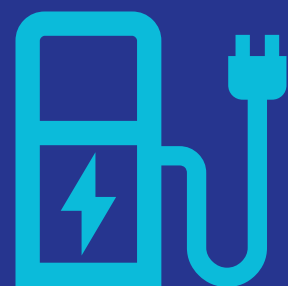


Electrifying Intralogistics

Product overview for electric forklifts, high-rack stackers, AGVs, lifting platforms, charging devices, etc.



Our intralogistics portfolio at a glance



Charging connectors



Battery contactors



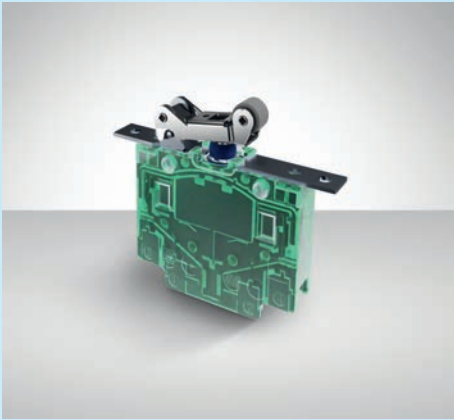
Combination contactors



Emergency disconnect switches



Snap-action switches



Accessories



Charging connectors

	LV500	LV320/400	LV160/250	LV80/120
				
				
Contact arrangement				
Rated operating current main contacts	2 main contacts 2 pilot contacts or 1 air tube 2 aux contacts	2 main contacts 2 pilot contacts or 1 air tube 2 aux contacts	2 main contacts 2 pilot contacts or 1 air tube 2 aux contacts	2 main contacts 2 pilot contacts or 1 air tube 2 aux contacts
Current rating pilot/aux contacts	- UL: 500 A @ AWG 4 / 0 CSA: 300 A @ AWG 4 / 0	DIN VDE 0623-589: 390 A @ 95 mm² UL: 440 A @ AWG 4 / 0 CSA: 280 A @ AWG 4 / 0	DIN VDE 0623-589: 250 A @ 50 mm² UL: 250 A @ 50 mm² -	DIN VDE 0623-589: 160 A @ 25 mm² UL: 120 A @ 25 mm² -
Rated operation voltage	20 A @ 2.5 mm²	20 A @ 2.5 mm²	20 A @ 2.5 mm²	20 A @ 2.5 mm²
Main contacts, wire cross section	DIN VDE 0623-589: 150 V UL: 150 V CSA: 150 V	DIN VDE 0623-589: 150 V UL: 150 V CSA: 150 V	DIN VDE 0623-589: 150 V UL: 150 V	DIN VDE 0623-589: 150 V UL: 150 V
Pilot and aux contacts, wire cross section	AWG 4/0	AWG 4/0, 95 / 70 / 50 mm², 35 mm² with reducing bushing	50 mm², 35 / 25 mm² with reducing bushing	25 mm², 16 / 10 mm² with reducing bushing
Ingress protection rating (IP code)	2.5 mm², 1.5 / 1.0 / 0.5 mm² with reducing bushing	2.5 mm², 1.5 / 1.0 / 0.5 mm² with reducing bushing	2.5 mm², 1.5 / 1.0 / 0.5 mm² with reducing bushing	2.5 mm², 1.5 / 1.0 / 0.5 mm² with reducing bushing
Mechanical endurance	IP23	IP23	IP23	IP23
Temp range	> 5,000 mating cycles	> 5,000 mating cycles	> 5,000 mating cycles	> 5,000 mating cycles
	-30° C ... +130° C	-30° C ... +90° C	-30° C ... +90° C	-30° C ... +90° C

Battery contactors

	C100	C110B	AFS	C303 low voltage
				
Contact configuration	1x SPST-NO	1x SPST-NO	1x, 2x SPST-NO 1x SPST-NC 1x SPDT-CO 1x DPDT (Reverser)	1x SPST-NO
Current	Ie = 80 A / 120 A / 200 A / 320 A	Ie = 80 A / 120 A / 200 A / 300 A / 400 A	Ith = 80 A / 100 A / 150 A / 250 A	Ith = 350 A / 500 A
Voltage	Ue = 80 V	Ue = 48 V	Ue = 80 V	Ue = 60 V higher values on request
PD rating	PD3	PD3	PD3	PD2
Coil voltage	24 / 48 V DC	24 / 48 V DC	12 - 120 V DC	12 / 24 V DC
Coil circuit	-	-	-	PWM / external
Coil power (Holding)	5 ... 24 W	5 ... 24 W	11 ... 39 W	2,6 W
Aux contact(s)	1x Changeover (optional)	1x Changeover (optional)	1x Changeover (optional)	1x S880, snap-action switch
Mechanical	> 3 million cycles	> 1 million cycles	> 1 million cycles	> 200.000 cycles
Temp range	-25° C ... +40° C	-25° C ... +40° C	-25° C ... +40° C	-40° C ... +85° C
Standards	IEC 60947-4-1 UL 60947-4-1 ISO 16750-3 GB/T 14048.4 EN1175-1			

Combination contactors and emergency disconnect switches

Combination contactors and emergency disconnect switches

Combination contactors and emergency disconnect switches

Combination contactors and emergency disconnect switches

	C130/250	S100/80	S132	S134
				
Current	Ith = 180 A / 250 A	Ith = 60 A	Ith = 125 A	Ith = 250 A
Voltage	Un = 24 V / 80 V	Un = 24 / 36 / 48 V	Un = 100 V	Un = 100 V
PD rating	PD3	PD3	PD3	PD3
Coil voltage	24 / 48 V DC	24 / 48 V DC	24 / 48 V DC	24 / 48 V DC
Aux contact(s)	2x max. changeover (optional)	-	-	1x Snap-action switch (optional)
Mechanical	> 3 million cycles	> 100.000 cycles	> 30.000 cycles	> 30.000 cycles
Temp range	-30° C ... +50° C	-25° C ... +50° C	-25° C ... +50° C	-40° C ... +50° C
Standards	IEC 60947-4-1 UL 60947-4-1 ISO 16750-3 GB/T 14048.4			

Snap-action switches and accessories

Snap-action switches and accessories

Snap-action switches and accessories

Snap-action switches and accessories

	S870	S880	EKS127	SH
				
Number of poles	-	-	1	1 ... 3
Current	Ith = 10 A	Ith = 6 A	a: 200 A / b: 300 A / c: 300 A / d: 500 A	for strip fuses 50 A ... 425 A
Voltage	Ui = 250 V	Ui = 250 V	Un = 80 V	Un = 80 V
PD rating	PD3	PD3	PD3	PD3
Contact configuration	SPDT,CO with 3 terminals	SPDT,CO with 3 terminals	80 V DC	-
Positive opening operation	yes	yes	-	-
Mechanical	> 10 million cycles	> 1.5 million cycles	-	-
Temp range	-40° C ... +85° C	-40° C ... +85° C	-20° C ... +70° C	-40° C ... +70° C
Standards	IEC 60947-1 IEC60947-5-1, Annex K UL508 IEC60529		-	DIN 43560

Electrification and automation are integral to the daily operations of modern factories, warehouses, and logistics centers. From automated guided vehicles (AGVs) to electric forklifts and battery-powered industrial trucks, sustainable solutions contribute to both environmental and economic efficiency, especially in areas where flexibility, zero emissions, and noise reduction are priorities.

As pioneers of electrification, Schaltbau has been championing safety on rail for generations. Building on this experience, we also create future-oriented products and solutions with the highest standards of safety and reliability to switch and protect DC applications in energy and e-mobility.