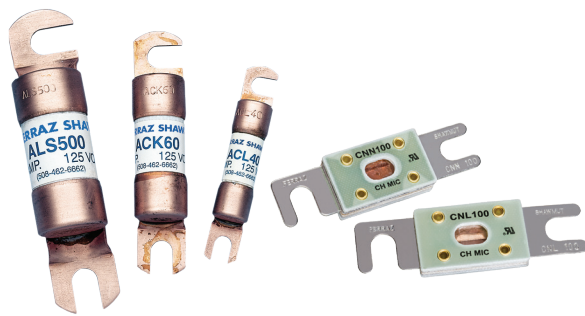


Forklift Truck Fuses

ACK, ACL, ALS, CNL, CNN

SPECIAL PURPOSE



Mersen Forklift Truck and Battery Isolator fuses are specially designed for the heavy duty loads associated with DC battery powered equipment such as forklift trucks, hand trucks, motorized work platforms, and other DC battery operated systems. Rugged construction and stud mounted bolt-in design assure a long life in adverse conditions for these fuses. This expanded line of Forklift Truck Fuses can fulfill virtually all of your heavy duty circuit protection needs up to 125V AC or DC. The round body ACK, ACL and ALS fuses combine higher voltage ratings and more ampere ratings with higher interrupting ratings. The flat CNL and CNN style fuses have a lower voltage rating but are also AC and DC, more space saving and have visual “see-thru” indication to show when they have operated.

Technical Data Overview				
Round Body		ACK	ACL	ALS
Volts		125VAC / DC	125VAC / DC	125VAC / DC
Amps		1 to 400A	30 to 120A	100 to 500A
I.R.		10kA I.R. AC / DC	100kA I.R. AC, 10kA I.R. DC	10kA I.R. AC / DC
Flat	CNL	CNN		
Volts	80V AC / DC	130V AC	75V DC	48V DC
Amps	35 to 500A	10 to 800A	10 to 300A	301 to 800A
I.R.	2.5kA I.R. AC / DC	2.5kA I.R. AC / DC	2.5kA I.R. AC / DC	2.5kA I.R. AC / DC

FEATURES/BENEFITS

- All fuses are AC and DC rated
- Expanded ampere ratings
- Time-delay and general purpose types
- **CNL/CNN:** Link is visible through window

HIGHLIGHTS

- AC/DC ratings
- Embossed catalog No's.
- Stud mounted
- **ACK:** Time-delay
- **ACL/ALS:** General purpose

APPLICATIONS

- Forklift trucks
- Battery hand trucks
- Motorized work platforms
- Battery systems

APPROVALS/STANDARDS

- UL recognized components
File E60314



CATALOG NUMBERS (AMPS)

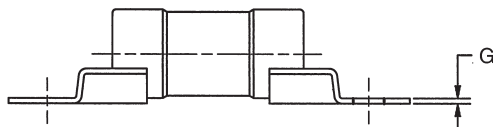
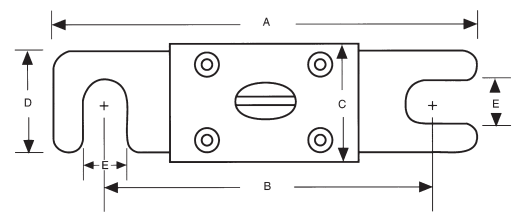
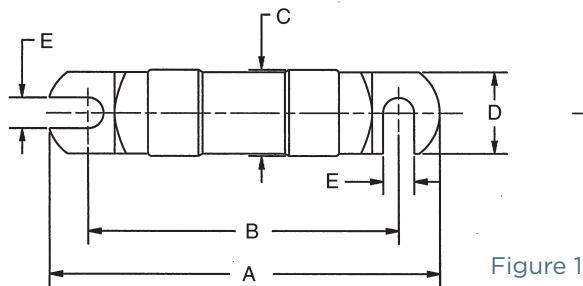
ACK Fuse				ACL Fuse		ALS Fuse		CNL Fuse				CNN Fuse			
ACK2	ACK25	ACK80	ACK175	ACL30	ACL70	ALS100	ALS300	–	CNL100	CNL250	CNL600	CNN10	CNN100	CNN250	CNN600
ACK3	ACK30	ACK90	ACK200	ACL35	ACL80	ALS150	ALS350	CNL35	CNL125	CNL275	CNL675	CNN35	CNN125	CNN275	CNN225
ACK5	ACK35	ACK100	ACK225	ACL40	ACL90	ALS175	ALS400	CNL40	CNL130	CNL300	–	CNN40	–	CNN300	–
ACK6	ACK40	ACK120	ACK250	ACL50	ACL100	ALS200	ALS450	CNL50	CNL150	CNL325	CNL750	CNN50	CNN150	CNN325	CNN700
ACK10	ACK50	ACK140	ACK300	ACL60	ACL120	ALS225	ALS500	CNL60	CNL175	CNL350	–	CNN60	CNN175	CNN350	–
ACK15	ACK60	ACK150	ACK400			ALS250		CNL80	CNL200	CNL400	–	CNN80	CNN200	CNN400	CNN800
								–	CNL225	CNL500		CNN90	CNN225	CNN500	

RECOMMENDED FUSE BLOCKS FOR FORKLIFT TRUCK FUSES

Fuse	Fuse Block
ACK(70-100)	P243C
ACL(70-120)	P243E
CNL	FTFH, FTFH-1
CNN	FTFH, FTFH-1

DIMENSIONS

Catalog No.	SFigure	A In. (mm)	B In. (mm)	C In. (mm)	D In. (mm)	E In. (mm)	F In. (mm)	G In. (mm)
ACK 1-30	1	3.07 (77.9)	2.5 (63.5)	.56 (14.3)	.5 (12.7)	.28 (7.1)	.593 (15)	.03 (.8)
ACK 35-60	1	3.74 (95)	3 (76.2)	.81 (20.6)	.75 (19.1)	.34 (8.7)	.86 (21.8)	.047 (1.2)
ACK 70-100	1	4.46 (113.4)	3.5 (88.9)	1.06 (26.9)	1 (25.4)	.38 (9.5)	1.12 (28.5)	.06 (1.6)
ACK 120-200	1	4.72 (119.8)	3.75 (95.4)	1.06 (26.9)	1 (25.4)	.38 (9.5)	1.12 (28.5)	.06 (1.6)
ACK 225-400	1	4.71 (119.7)	3.75 (95.4)	1.06 (26.9)	1 (25.4)	.38 (9.5)	1.12 (28.5)	.06 (1.6)
ACL 30-60	1	3.07 (77.9)	2.5 (63.5)	.56 (14.3)	.5 (12.7)	.28 (7.1)	.593 (15)	.03 (.8)
ACL 70-120	1	3.49 (88.6)	2.75 (69.9)	.81 (20.6)	.75 (19.1)	.34 (8.7)	.86 (21.8)	.047 (1.2)
ALS 100-500	1	4.71 (119.7)	3.75 (95.4)	1.06 (26.9)	1 (25.4)	.38 (9.5)	1.12 (28.5)	.06 (1.6)
CNL/CNN	2	3.188 (80.9)	2.44 (61.9)	.89 (22.6)	.75 (19.0)	.34 (8.7)	--	--



© 2025 Mersen. All rights reserved. Mersen reserves the right to change, update, or correct, without notice, any information contained in this datasheet.