

ER 65I Single-Phase, Crossarm-Mounted, Fault Interrupting, Electronically Controlled Fusesaver, Material

RCMS Code: BA

ER 65I				—
Type	Figure	SI#	Code	•
Fusesaver, open-close-open, 200 A	1	8003857	B	
Fusesaver, open-close-open, 100 A	1	8006546	L	
Fusesaver, open-close-open, 40 A	1	8006547	M	
Kit, fish plate, crossarm mounting	2	8003858	C	
Assembly insulator, crossarm mounting	3	8003859	D	
Tool, attaching rechargeable comm.	4	8004881	J	
Rechargeable comm. module	5	8004882	K	
Tool, attaching comm. module	4	8003860	E	
USB connect software for use on PC	6	8003863	G	
Bird guard for fusesaver	7	8003862	H	
Two-hole lug connector	8	4670256	I	

Standard References

DY 471 [Bolt Assembly, Hex, 1/2", Stainless Steel](#)

Notes



- These are 27 kV; 40, 100, and 200 A; 125 kV BIL units with a 10-year battery.
- The open-close (OC) Fusesaver has been obsoleted by manufacturer. The open-close-open (OCO) type Fusesaver can be programmed to function as an OC type.
- The company has standardized on a rechargeable communication module with Li-Ion batteries capable of being charged from line current and is phasing out the non-rechargeable communication modules.
- Due to UN 3480 transportation regulations, this device cannot be shipped fully charged. It must ship at no more than 30% charge; it is necessary to fully charge the cells before installation. Failure to do so may result in a loss of communication until the batteries have enough charge to power the internal antenna. Charging the batteries is possible in the following ways:
 - With the use of a commercially available charger compatible with Li-ion batteries
 - Applying current (1 amp) for 24 hours using a current injection test set
 - Installing the Fusesaver on a conductor in the closed position, removing any bypass and ensure load current is present
- In addition to ensuring enough charge in the batteries the new rechargeable communications modules require firmware 1402 or newer to be loaded into the Fusesaver unit itself. Firmware update packages can be found on the Siemens cloud management site at <https://sosdmc.siemens.cloud/>

Table I—Fusesaver Determination Criteria

Model Type	Unit	Low Range	Standard Range	High Range
Minimum line current for operation and battery charging	A	0.15	0.5	1
Rated current Ir	A	40	100	200
Rated short-circuit breaking current Isc	kA	1.5	4	6.3
Fault-break operations at 100%	No.	300	70	30



Figure 1—Single-Phase Crossarm Mounted, Fusesaver (SI# 8003857, 8006546, 8006547)

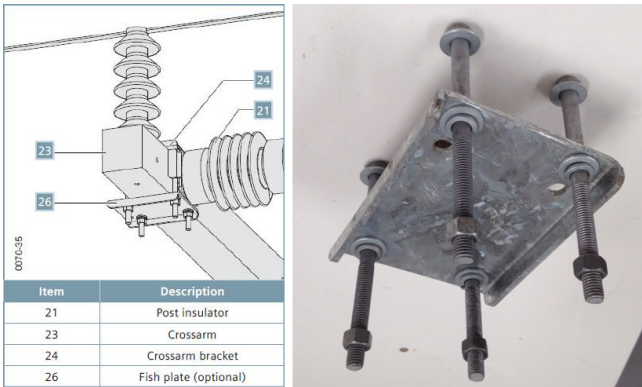


Figure 2—Kit, Fish Plate, Crossarm Mounting Fusesaver (SI# 8003858)

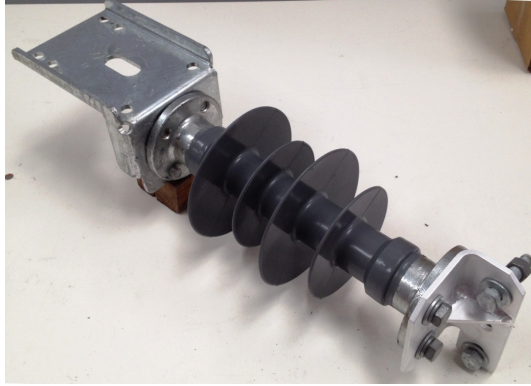


Figure 3—Insulator Assembly for Crossarm Mounting Fusesaver (SI# 8003859)

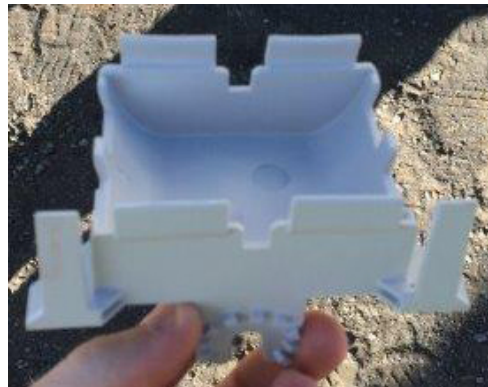


Figure 4—Tool for Attaching Rechargeable Communications Module (SI# 8004881)



Figure 5—Rechargeable Communications Module for Fusesaver (SI# 8004882)



Figure 6—USB Thumb Drive for use on PC (SI# 8003863)



Figure 7—Animal Guard for Fusesaver (SI# 8003862)

If the plastic clips break use zip ties (SI# 4954608) to secure the animal guard.

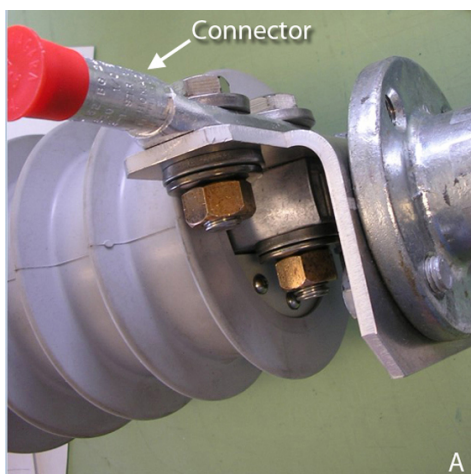


Figure 8—Two-Hole Lug Connector (SI# 4670256)

The bolts, whether they are two different sizes (Figure 8A) or the same size (Figure 8B) are found in standard DY 471.