Earth Leakage Circuit Breakers - EG-UL Series

Specifications

Tope Appearance (with Screen Faminale) E0102CUL E0103CUL Kated insulation values (with Screen Faminale) E0103CUL E0103CUL Relact insulation values (with Screen Faminale) K Evaluation values (With Screen Faminale) K Relact insulation values (With Screen Faminale) K 240 K K Relact orance (With Screen Faminale) K 240 K K Relact orance (With Screen Faminale) K 240 K K Relact orance (With Screen Faminale) K 240 K K Relact orance (With Screen Faminale) Soro (S Soro (S Soro (S Soro (S Relact famource (With Screen Faminale) K Soro (S Soro (S Soro (S Soro (S Relact famource (With Screen Faminale) K M Soro (S Soro (S Soro (S Relact famource (With Screen Faminale) K M Soro (S Soro (S Soro (S Relact famource (With Screen Faminale) K M Soro (S Soro (S Soro (S Relact famource (With Screen Famina	Frame size (A)					100		
Appearance (with Sorav Torminal) kuitability is subsective in the second						EG102CUL	EG103CUL	
with Soney Terminal) with Soney Terminal) Read industor votage (r) (ECB0507 ->> A2 A2 A2 A2								
Read insidion voltage (I) (IC609472) A0 A40 Read insidion voltage (I) (IC609472) A0 A40 Read original (III) 025.100 30.100200500 Read original (III) 90.100200 30.100200500 Read original (IIII) 22 30.100200500 Read original (IIII) 24 30.100200500 Read original (IIIII) 24 30.100200500 Read original (IIIIIIIII) 24 30.100200500 Read original (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		inals)						
Index outgop (I) (UL489 V AC 240 Rate de current (IV) S0,70,700 30,100/200/500 Poles 2 3 Rate de fraguency (H) S0/70,700 3,100/200/500 Rate de fraguency (H) S0/70,700 - IEC60047.2 AC AdV - IEC60047.2 AC AdV - - IEC60047.2 AC AdV - 10/6 IS C 8371 AC AC ADV - 10/6 IS C 8371 AC AD AD 25 - Dimensions (m) Image: Source Terminal Source Terminal Terminal V 7 Iterminal Source Terminal V 7 - - Iterminal K V Terminal K V - - Iterminal K V T								
Rated Gensitive Current (M) 50,100/200 30,100/200500 Poles 2 3 Rated frequency (H2) 50/60 Rated frequency (H2) 6/40 V - (Rated frequency (H2) 6/40 V - (Rate frequency (H2) 6/40 V - (Rate frequency (H2) 10/5 V 10/5 V (Rate frequency (H2) 10/5 V 10/5 V (Rate frequency (H2)	Rated insulation voltage (V) (IEC60947-2) AC				AC	240	440	
Rated Sensitive Current (mA) 30.100/200/500 Poles 2 3 Rated frequency (H2) 50/60 Rated frequency (H2) 400/VZTV - Rated frequency (H2) 400/VZTV 14 (G609472) AC 400/VZTV 10/5 (F0609472) AC 20/V 10/5 (F0609472) AC 20/V 10/5 (F0609472) AC 20/V 10/5 (F0009472) AC AC 25/13 (F0009	Rated voltage (V) (UL489) AC					240		
Pole V 2 3 Rated frequercy I+J 50/60 - capacity 6 - - spm (AA) 6 460/027/2 - - gm (AA) 16 10/5 14 IEC60947.2 AC 440/027/2 14 10/5 IEC60947.2 AC 440/027/2 10/5 25/13 IEC60947.2 AC 10/5 25/13 IEC60947.2 AC 10/5 25/13 IEC60947.2 AC 410/2 10 IEC60947.2 AC 10/5 25/13 IEC60947.2 AC 10/5 25/13 IEC60947.2 AC 10/2 25 IEC60947.2 AC 10/2 26 IEC60947.2 AC 10/2 26 IEC60947.2 AC 7 26 IEC60947.2 AC 7 26 IEC60947.2 AC 7 26 IEC60947.2 </td <td colspan="5"></td> <td colspan="2"></td>								
Rated frequency (H2) U.489 A 6/60 Rated interruption (Gapacity sym (KA) CSA22-2 A 480/V - - sym (KA) EC609472 AC 480/V 14 14 [EC609472 AC 480/V 10/5 10/5 [Burles] AC 480/V 10/5 26/13 [Burles] AC 410/V 10 25 [Dimensions (min) AC 410/V 10 25 [Dimensions (min) A 75 6 60 [Costruction (min) Ferrularity V 70 25 [Costruction (min) Ferrularity V 7 6 [Costruction (min) Ferrularity V 7 7 [Costruction (min) V 7 7 7 [Costruction (min) V 7 7 7 [Costruction (min) V 7 7 7 [Costruction (min) S Y 7	Rated Sensitive Current (mA)					30,100/200	30,100/200/500	
Rated interrupting capacity U.489 (SA2-2) AC 40V - - sym (kA) C 40V/27V - - - ym (kA) FEC6947-2 (Lou/Ce) AC 40V - 10/5 jls C 8371 AC 415V - 10 jls C 8371 AC 45 - 10 jls C 8371 AC 50 - - jls C 8371 AC 50 - - jls C 8371 AC 50 - - jls C 8371 AC 45 - - itterminals L - - - itterminal Accessories K 7 - jls C 8371 K 7 - -	Poles					2	3	
capacity sym (kA) CSA2:2 A^{μ}_{0} $400Y/27V$ - - sym (kA) IEC6094.2* $400'$ 14 14 IEC6094.2* a^{μ}_{0} $400'$ 10 25/13 JIS C 8371 A^{μ}_{0} $400'$ 10/5 25/13 JIS C 8371 A^{μ}_{0} $410'$ 10/5 25/13 Dimensions (mm) $\mu^{\mu}_{-\mu}$ μ^{μ}_{0} $10/5$ 25 Dimensions (mm) $\mu^{\mu}_{-\mu}$ π^{μ}_{0} π^{μ}_{0} π^{μ}_{0} π^{μ}_{0} Construction Fiel Terminals E π^{μ}_{0} π^{μ}_{0} π^{μ}_{0} Internal accessories Screw Terminalis E I π^{-1}_{0} π^{-1}_{0} Internal accessories Auxiliary switch '3 W 7 π^{-1}_{0} Internal accessories Auxiliary switch '3 W 7 π^{-1}_{0} Auxiliary switch '3 K 7 π^{-1}_{0} π^{-1}_{0} Auxiliary switch<	Rated frequency (Hz)					50/60		
capacity cap	Rated interrupting	UL489	10	480V		-	-	
$ \begin{array}{ c c c c c c } $	capacity	CSA22-2	AC	480Y/277\	/	-	-	
$ \left \begin{array}{c c c c c c c c c c c c c c c c c c c $	sym (kA)			240V		14	14	
$ \begin{array}{ c c c } \hline \begin{tabular}{ c c } \hline \begi$			AC	440V		-	10/5	
$ \begin{array}{ c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				230V		10/5	25/13	
$ \begin{array}{ $				100V		10/5	25/13	
Dimensions (mm) $100 \ 0$ 25Dimensions (mm) $100 \ 0$ 25 $100 \ 0$ $120 \ ^{\circ}$ Terminal construction $5crw Terminals \ 100 \ 0$ 84 Terminal construction $110 \ 0$ $91 \ 0$ Hat Terminals Lug Terminals $100 \ 0$ Auxiliary switch $100 \ 0$ $100 \ 0$ $91 \ 0$ Auxiliary switch $100 \ 0$ $100 \ 0$ $100 \ 0$ Auxiliary switch $100 \ 0$ $100 \ 0$ $100 \ 0$ Accessories witch $100 \ 0$ <t< td=""><td></td><td rowspan="3">JIS C 8371</td><td>AC</td><td>415V</td><td></td><td>-</td><td>10</td></t<>		JIS C 8371	AC	415V		-	10	
Dimensions (mm) $100 \ 0$ 25Dimensions (mm) $100 \ 0$ 25 $100 \ 0$ $120 \ ^{\circ}$ Terminal construction $5crw Terminals \ 100 \ 0$ 84 Terminal construction $110 \ 0$ $91 \ 0$ Hat Terminals Lug Terminals $100 \ 0$ Auxiliary switch $100 \ 0$ $100 \ 0$ $91 \ 0$ Auxiliary switch $100 \ 0$ $100 \ 0$ $100 \ 0$ Auxiliary switch $100 \ 0$ $100 \ 0$ $100 \ 0$ Accessories witch $100 \ 0$ <t< td=""><td></td><td></td><td>200V</td><td></td><td>10</td><td>25</td></t<>				200V		10	25	
$ \begin{array}{ c c c c c } \hline b & 120 & '6 \\ \hline c & 60 $				100V		10		
	Dimensions (mm)	+–a→	⊬–d–	*	а	75		
Image: constructionScrew Terminals $00E$ Flat TerminalsL1Lug TerminalsL1Lug TerminalsLAtam switch*3WArram switch*3KAnam switch*3KShunt tripF*7AccessoriesAfam switch*3Autiliary switch*3KVindervoltage tripF*7Accessories with terminal block*1AAnam Switch*3VZecessoriesF*7Accessories with terminal block*1AAccessories with terminal block*1AAccessoriesCap LipAField InstallableFlat Terminal KFrield InstallableFlat Terminal KiField InstallableFlat Terminal KiFor ScrewFor ScrewFor Flat Terminal KiLug Terminal KiImminal KiLug Terminal KiFor Flat Terminal KiLug Terminal KiImminal CoversFor ScrewFor Flat Terminal KiLug Terminal KiImminal KiLug Terminal K				1	b	120 *6		
Image: state of the state o		0 b 9			с	60		
$ \begin{array}{ c c c } \label{eq:construction} \hline Flat Terminals & Li & \bullet & $					d			
$ \begin{array}{ $	Terminal				NONE	•		
Lug TerminalsL-Internal accessoriesAuxiliary switch*3K*7Alarm switch*3K*7Shurt trip*3K*7Undervoltage tripR*7Accessories with terminal block**A*7Accessories with terminal block**A*7External accessoriesCap typeQ1*2External accessoriesCap typeQ1*2External reminal KitFat Terminal KitBZ6L10CField Installable Terminal KitFat Terminal XitBZ5N10CField Installable Terminal Covers For Fat TerminalShort BZ6TS10C3U *5*5For Fat Terminal For Fat TerminalShort BZ6TS10C3U *5*6Insulation BarrierShort Euro*5For Fat Terminal For Fat Terminal-Insulation BarrierSB6B10C *4	construction	Flat Terminals L1			L1	•		
$ \begin{array}{ c c c c } \hline Internal & Auxiliary switch & *3 & W & *7 \\ \hline Alarm switch & *3 & K & *7 \\ \hline Alarm switch & *3 & K & *7 \\ \hline Shunt trip & F & *7 \\ \hline Accessories with terminal block*1 & A & *7 \\ \hline Accessories with terminal block*1 & A & *7 \\ \hline Accessories with terminal block*1 & A & *7 \\ \hline External accessories & & & & & & & & & & & & & & & & & & &$					L	-		
Alarm switch *3 K *7 Shunt trip F *7 Undervoltage trip R *7 Accessories with terminal block*1 A *7 External accessories Handle locking key Cap type Q1 *2 BZ6L10C BZ6L10C BZ6N10C N BZ6N10C Field Installable Flat Terminal Kit BZ-SU25B BZ6S10C3U *5 Terminal Covers For Screw Shot BZ6TS10C3U *5 Terminal Covers For Flat Terminals _ - Insulation Barrier BZ6B10C *4 *4	Internal				W	*7		
$ \begin{array}{ c c c c } \hline Shunt trip & F & 7 \\ \hline Undervoltage trip & R & 7 \\ \hline Accessories with terminal block'1 & A & 7 \\ \hline Accessories with terminal block'1 & A & 7 \\ \hline Accessories & Cap type & D1 & 2 \\ \hline External Operating Handle & V & BZ6V10C \\ \hline External Operating Handle & V & BZ6V10C \\ \hline Field Installable & Flat Terminal Kit & D2-SU25B \\ \hline Terminal Kit & Lug Terminal Kit & D2 & SU25B \\ \hline Terminal Covers & For Screw & Snot & BZ6TS10C3U & 5 \\ \hline For Flat Terminal & Ong & BZ6TB10C3U & 5 \\ \hline For Flat Terminal & Insulation Barrier & - \\ \hline Insulation Barrier & SZ6B10C & 4 \\ \hline \end{array} $,			К	*7		
Undervoltage trip R *7 Accessories with terminal block*1 A *7 External accessories Handle locking key Cap type Q1 *2 BZ6L10C BZ6L10C BZ6N10C BZ6N10C Field Installable Flat Terminal Kit BZ-SU25B Terminal Kit Lug Terminal BZ6T10C3U *5 Terminal Covers For Serew Short BZ6T10C3U *5 For Lig Terminal For Lig Terminal SZ6T10C3U *5 Insulation Barrier -								
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External accessories Handle locking key Cap type Q1 *2 BZ6L10C BZ6N0C BZ6N0C Field Installable Flat Terminal Kit BZ-SU25B Terminal Kit Lug Terminal Kit BZ6TS10C3U *5 Terminal Covers For Screw Short BZ6TB10C3U *5 For Lug Terminals - - Insulation Barrier BZ6B10C *4								
accessories accessories External Operating BZ6L10C External Operating Handle V BZ6V10C N BZ6N10C N BZ6N10C Field Installable Flat Terminal Kit BZ-SU25B Terminal Covers For Screw Short BZ6TS10C3U *5 Terminal Covers For Screw Short BZ6TB10C3U *5 For Lig Terminal - - Insulation Barrier BZ6B10C *4								
External Operating V BZ6V10C N BZ6N10C Field Installable Terminal Kit Flat Terminat Kit BZ-SU25B Terminal Covers Terminal Covers For Screw Terminals Short BZ6TS10C3U *5 For Flat Terminals Long BZ6TB10C3U *5 For Flat Terminals - For Stat Terminals - Insulation Barrier BZ6B10C *4								
N BZ6N10C Field Installable Flat Terminal Kit BZ-SU25B Terminal Kit Lug Terminal Kit - Terminal Covers For Screw Short BZ6TS10C3U *5 Terminals Long BZ6TB10C3U *5 For Flat Terminals - For Lug Terminals - Insulation Barrier BZ6B10C *4		External Operating Handle V		v				
Field Installable Terminal Kit Flat Terminal Kit BZ-SU25B Terminal Covers Terminal Covers For Starterinals For Screw Terminals Short BZ6TS10C3U *5 Terminals Long BZ6TB10C3U *5 For Flat Terminals - For Sup Terminals - Insulation Barrier BZ6B10C *4								
Terminal Kit Lug Terminal Kit - Terminal Covers For Screw Short BZ6TS10C3U *5 Terminal Long BZ6TB10C3U *5 For Flat Terminals - For Lug Terminals - Insulation Barrier BZ6B10C *4								
Terminal Covers For Screw Short BZ6TS10C3U *5 Terminals Long BZ6TB10C3U *5 For Flat Terminals - For Lug Terminals - Insulation Barrier BZ6B10C *4								
Terminals Long BZ6TB10C3U *5 For Flat Terminals - For Lug Terminals - Insulation Barrier BZ6B10C *4						BZ6TS10C3U *5		
For Flat Terminals - For Lug Terminals - Insulation Barrier BZ6B10C *4								
For Lug Terminals - Insulation Barrier BZ6B10C *4								
Insulation Barrier BZ6B10C *4								
		Insulation Barr	ier					
							0.6	

Notes: *1 All internal accessories will be supplied with terminal block when specify "A" in the part number. When ordered shunt trip or undervoltage trip for SG53RCUL, EG102/103CUL, the shunt trip or the undervoltage trip with terminal block will be supplied as a standard. (see page 17, 18)
*2 Order the Handle Lock Cover (BZ6L10C or BZ-LIC) separately if a handle lock key (cap type Q1) is required for 225A Frame or smaller Breakers.
*3 Auxiliary switches (WD) and alarm switches (KD) for small currents are available. DPDT auxiliary switches (W2) and DPDT alarm switches (K2) are available.
*4 Insulation Barriers are required for only flat terminal type. (SG53RCUL, EG102/103CUL)
*5 Terminal covers are supplied with a breaker as a standard. If required "Long Terminal cover", please specify "TB" in the part number. (see page 8)

*6 with short terminal cover *7 These internal accessories can be installed in the field. (see page 17, 18 for part number)

•: Available. -: Not available.