



Product type designation         Nr. 3           Number of poles         Nr. 4           Operating voltage type         AC           Contact characteristics         TEC Conventional free air thermal current lth         A         160           Rated insulation voltage Uil EC/EN         V         1000           Rated impulse withstand voltage Uimp         kV         8           Operating current le         AC21A         400V A 160         160           AC22A         400V A 160         160           AC23A         400V A 160         160           AC23A         400V A 160         160           AC23A         400V A 160         160           Power dissipation per pole max         W         4           Rated operational power AC23A         W         4           Rated short time current (1s) lcw (rms)         KA 7         7           Conditional short-circuit current (rms)         KA 7         1600           Making capacity AC23A 400V         A 1600         1600           Mechanical life         cycles         30000           Electrical life AC21A         normal allowable         Any           Fixing         normal allowable         Any           Fixing         nor	Product designation			Changeover Switch
Number of poles         Nr. a Ac           Operating voltage type         AC           Contact characteristics         IEC conventional free air thermal current lth         A 160           Rated insulation voltage Uil EC/EN         V 1000           Rated insulation voltage Uimp         kV 8           Operating current Ie         AC21A         400V A 160           AC22A         400V A 160           AC22A         400V A 160           AC23A         500V A 160           AC23A         400V A 125           Power dissipation per pole max         W 4           Rated operational power AC23A         W 4           Rated short time current (1s) lcw (rms)         kA 7           Conditional short-circuit current (rms)         kA 7           Conditional short-circuit protection with fuse         Class/A 96160           Making capacity AC23A 400V         A 1600           Mechanical life         cycles 30000           Electrical life AC21A         normal allowable Annual allowable Annual	Product type designation			
Operating voltage type         AC           Contact characteristics         IEC Conventional free air thermal current lith         A         160           Rated insulation voltage UI IEC/EN         V         1000           Rated insulation voltage Uimp         kV         8           Operating current Ie         AC21A         400V         A         160           AC22A         400V         A         160         690V         A         160           AC23A         400V         A         160         690V         A         160           AC23A         400V         A         160         690V         A         160           Power dissipation per pole max         400V         A         160         690V         A         125           Power dissipation per pole max         400V         kW         4         180         4			Nr.	
EC Conventional free air thermal current Ith Rated insulation voltage Ui IEC/EN	•			AC
Rated insulation voltage Ui IEC/EN	Contact characteristics			
Rated impulse withstand voltage Ulimp	IEC Conventional free air thermal current Ith		Α	160
AC21A	Rated insulation voltage Ui IEC/EN		V	1000
AC21A	Rated impulse withstand voltage Uimp		kV	8
A	Operating current le			
SOUV   A   160	AC21A			
RC22A		400V	Α	160
AC22A		500V	Α	160
A 000		690V	Α	160
Sout	AC22A			
AC23A		400V	Α	160
AC23A		500V	Α	160
A		690V	Α	125
Power dissipation per pole max         500V         A         125           Rated operational power AC23A         W         4           Rated short time current (1s) lcw (rms)         kM         76           Rated short time current (1s) lcw (rms)         kA         7           Conditional short-circuit current (rms)         kA         100           Short-circuit protection with fuse         Class/A         9G160           Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features         normal allowable         Vertical plan allowable           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max         Ms           Tightening torque for terminals         max         Nm         13 max           Bar dimensions max         10 max         10 max         10 max	AC23A			
Power dissipation per pole max         W         4           Rated operational power AC23A         400V kW 89 690V kW 76           Rated short time current (1s) lcw (rms)         kA 7           Conditional short-circuit current (rms)         kA 100           Short-circuit protection with fuse         Class/A 9G160           Making capacity AC23A 400V         A 1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features         normal allowable         Any           Operating position         normal allowable         Any           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max         Nm 13 max lbin 10           Bar dimensions max         18x3		400V	Α	160
Rated operational power AC23A         400V 690V kW 76         kA 7           Rated short time current (1s) lcw (rms)         kA 7         100           Conditional short-circuit current (rms)         kA 100         100           Short-circuit protection with fuse         Class/A 2016         20160           Making capacity AC23A 400V         A 1600         1000 (AC23A 2000)           Mechanical life         cycles 30000         1000 (AC23A 2000)           Mechanical features         vycles 400V)         1000 (AC23A 2000)           Mechanical features         Normal allowable Any         Any           Fixing         Screw         Screw           Terminals         type screw         Bar screw         M8           Tightening torque for terminals         max Nm 13 max lbin 10         1000 (AC23A 2000)           Bar dimensions max         18x3         18x3		500V	Α	125
Rated short time current (1s) lcw (rms)         kW         76           Rated short time current (1s) lcw (rms)         kA         7           Conditional short-circuit current (rms)         kA         100           Short-circuit protection with fuse         Class/A         gG160           Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features         allowable         Vertical plan Any           Operating position         normal allowable         Any           Fixing         Screw         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max max         Nm 13 max           Bar dimensions max         lbin 10	Power dissipation per pole max		W	4
Rated short time current (1s) low (rms)         kA         7           Conditional short-circuit current (rms)         kA         100           Short-circuit protection with fuse         Class/A         gG160           Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features           Operating position           Informal allowable         Vertical plan Any           Fixing         Screw           Terminals           Itype screw         Bar screw           Tightening torque for terminals           Injustical plan allowable         Injustical plan Any           Injustical plan allowable         Injustical plan Any           Injustical plan allowable         Injustical plan Any           Injustical plan Any         Injustical plan Any	Rated operational power AC23A			
Rated short time current (1s) lcw (rms)         kA         7           Conditional short-circuit current (rms)         kA         100           Short-circuit protection with fuse         Class/A         gG160           Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features           Operating position         normal allowable         Any           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max Nm 13 max lbin 10           Bar dimensions max         18x3		400V	kW	89
Conditional short-circuit current (rms)         kA         100           Short-circuit protection with fuse         Class/A         gG160           Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features           Operating position         normal allowable         Any           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max Nm 13 max lbin 10           Bar dimensions max         18x3		690V	kW	76
Short-circuit protection with fuse         Class/A         gG160           Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features           Operating position         normal allowable         Vertical plan Any           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max Nm 13 max lbin 10           Bar dimensions max         18x3	Rated short time current (1s) Icw (rms)		kA	7
Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features           Operating position           normal allowable         Vertical plan Any           Fixing         Screw           Terminals         type screw         Bar           Tightening torque for terminals         max Nm         13 max lbin         10           Bar dimensions max         18x3	Conditional short-circuit current (rms)		kA	100
Making capacity AC23A 400V         A         1600           Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features           Operating position           Fixing         Vertical plan allowable           Fixing         Screw           Terminals         type screw         Bar screw           M8         Tightening torque for terminals         max Nm 13 max lbin 10           Bar dimensions max         18x3	Short-circuit protection with fuse		Class/A	gG160
Mechanical life         cycles         30000           Electrical life AC21A         cycles         1000 (AC23A 400V)           Mechanical features         normal allowable         Vertical plan Any           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max nmax lbin 10           Bar dimensions max         18x3	•		Α	-
Electrical life AC21A			cycles	
Mechanical features           Operating position         normal allowable         Vertical plan Any           Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max Nm 13 max Ibin 10           Bar dimensions max         18x3	Electrical life AC21A			
Terminals  type Bar screw M8  Tightening torque for terminals  max Nm 13 max Ibin 10  Bar dimensions max  Negative 18x3	Mechanical features			,
Terminals  type Bar screw M8  Tightening torque for terminals  max Nm 13 max Ibin 10  Bar dimensions max  Negative 18x3	Operating position			
Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max Nm 13 max Ibin 10           Bar dimensions max         18x3		normal		Vertical plan
Fixing         Screw           Terminals         type screw         Bar screw           Tightening torque for terminals         max Nm 13 max Ibin 10           Bar dimensions max         18x3				•
Terminals           type screw         Bar M8           Tightening torque for terminals         max Nm 13 max Ibin 10           Bar dimensions max         18x3	Fixing			•
type screw         Bar M8           Tightening torque for terminals         max Nm 13 max Ibin 10           Bar dimensions max         18x3				
Screw   M8		type		Bar
Tightening torque for terminals           max         Nm         13           max         Ibin         10           Bar dimensions max         18x3				
max         Nm         13           max         Ibin         10           Bar dimensions max         18x3	Tightening torque for terminals			
maxIbin10Bar dimensions max18x3		max	Nm	13
Bar dimensions max 18x3				
	Bar dimensions max	ax		
	Ambient conditions			. 3

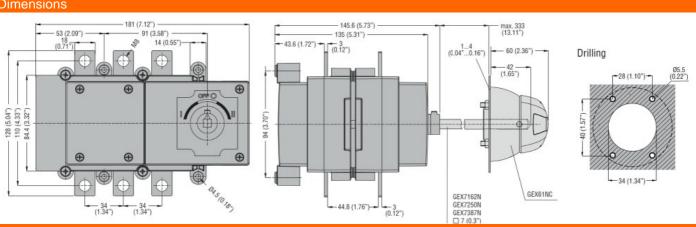


**ENERGY AND AUTOMATION** 

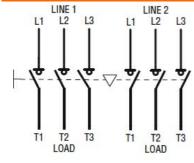
## Operating temperature

	min	°C	-25
	max	°C	55
Storage temperature			
	min	°C	-40
	max	°C	70
Max altitude		m	3000
Resistance & Protection			
Frontal IP degree			IP20
Pollution degree		•	3

## **Dimensions**



## Wiring diagrams



# Certifications and compliance

Compliance

IEC/EN 60947-1

IEC/EN 60947-3

Certifications

EAC

## ETIM classification

ETIM 8.0

EC000216 -Switch disconnector