

## Description

Distribution rail comprising series connected circuit breaker mounting modules. Each module accommodates one magnetic or magnetic-hydraulic circuit breaker type 8345 and the associated line and load terminals on the rear side of the rail. Supply feed is either on the right or left side with copper busbars. Trip indication of the circuit breakers (group signalling) is possible via two signal busbars. Live parts in the plug-in area of the load terminals are protected against brush contact (IP20). Replacement of circuit breakers (switched off) is possible with power on.

## Typical applications

Telecommunications, measuring and control systems

## Ordering information

<b>Type No.</b>	
<b>X8345</b>	Distribution rail for circuit breaker type 8345
<b>Version</b>	
<b>D</b>	rail
<b>Identification number</b>	
<b>01</b>	module for 1 circuit breaker
<b>Terminal (supply feed)</b>	
<b>L</b>	left side
<b>R</b>	right side
<b>Power distribution modules</b>	
<b>02</b>	2 modules
<b>04</b>	4 modules
<b>05</b>	5 modules
<b>Signalling</b>	
<b>0</b>	without
<b>1</b>	group signalling parallel connection
<b>Terminal design of main circuitry</b>	
<b>01</b>	2xM12 hexagon head screws for single-hole cable lug
<b>03</b>	2xM12 bent, hexagon head screws for double-hole cable lug (300 A)
<b>Terminal design of circuit breaker module</b>	
<b>01</b>	hexagon head screw M6 for single-hole cable lug
<b>07</b>	hexagon head screw M6 for single-hole cable lug, with barrier
<b>Accessories</b>	
<b>00</b>	without
<b>02</b>	mounting bar (length = 153.8 mm)
<b>Marking</b>	
<b>A</b>	standard without marking
<b>X8345 - D 01 L 05 - 1 - 01 01 -01 A</b> ordering example	

## Approvals

Authority	Voltage ratings	Current ratings
UL 60950	AC 277 V; DC 110 V	600 A

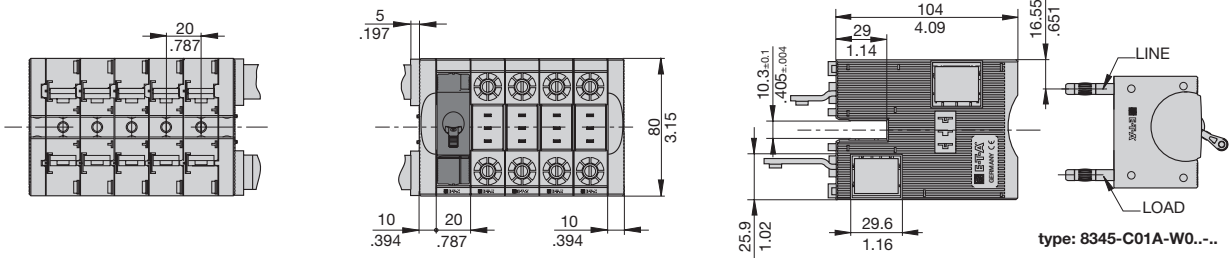


**X8345-D01**

## Technical data

Plug-in type circuit breakers	8345-.01.-W0..-D.... and auxiliary contact module X8345-S01KW102-M	
Voltage rating	DC 110 V other ratings upon request	
Max. load	125 A per position (total 160 A for the two neighbouring positions when a breaker rated > 80 A is used), 600 A per complete module	
Ambient temperature	-30...+60 °C	
Signalling (N/C contact)	DC 80 V 0.5 A per position	
Insulation co-ordination (IEC 60664)	Rated impulse withstand voltage 2.5 kV	Pollution degree 2
Flame retardance (IEC 60695, part 2-2)	self-extinguishing	
<b>Terminal design</b>		
supply feed	copper bar 20x25 mm with M10 thread current supply from the rear side (left or right) (tightening torque max. 15 Nm)	
load	screw terminals M6 (tightening torque max. 7 Nm) on rear side	
signalling	2 blade terminals DIN 46244-A6.3x0.8mm	
<b>Mass</b>		
module	approx. 320 g	

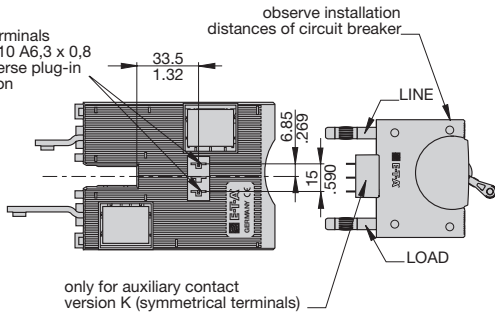
**Dimensions**



type: 8345-C01A-W0....

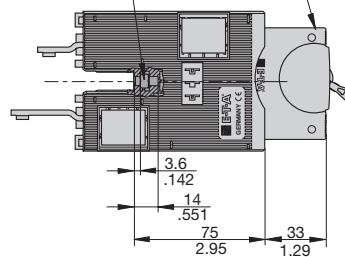
**Signalling 1**

blade terminals IEC 61210 A6.3 x 0,8 with reverse plug-in protection



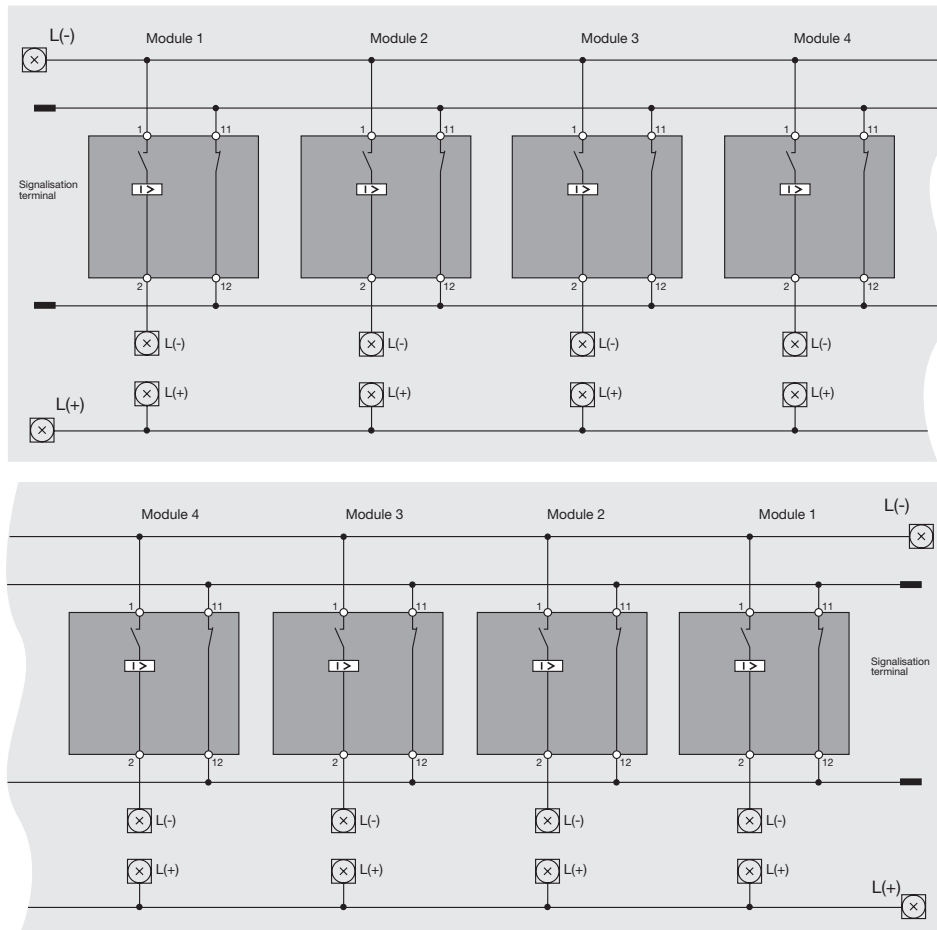
only for auxiliary contact version K (symmetrical terminals)  
type: 8345-S01KW102M

observe installation distances of circuit breaker  
hexnut DIN EN ISO 4032 - M5 - 8 - AOP  
tightening torque for mounting screw M5 max. 3.0 Nm



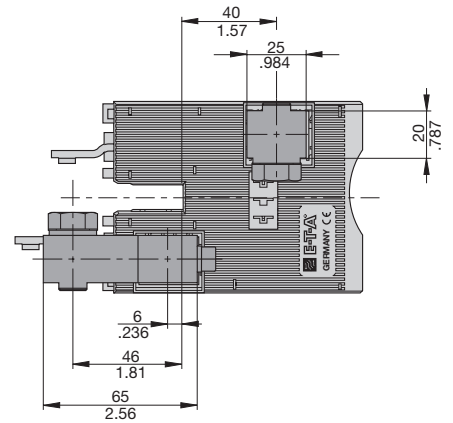
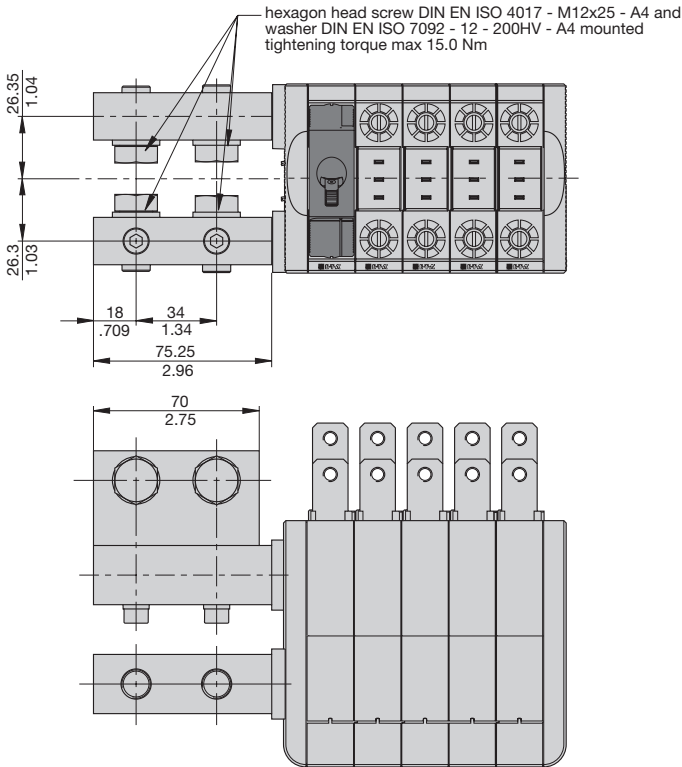
This is a metric design and millimeter dimensions take precedence (mm / inch)

**Internal connection diagrams**



**Terminal design**

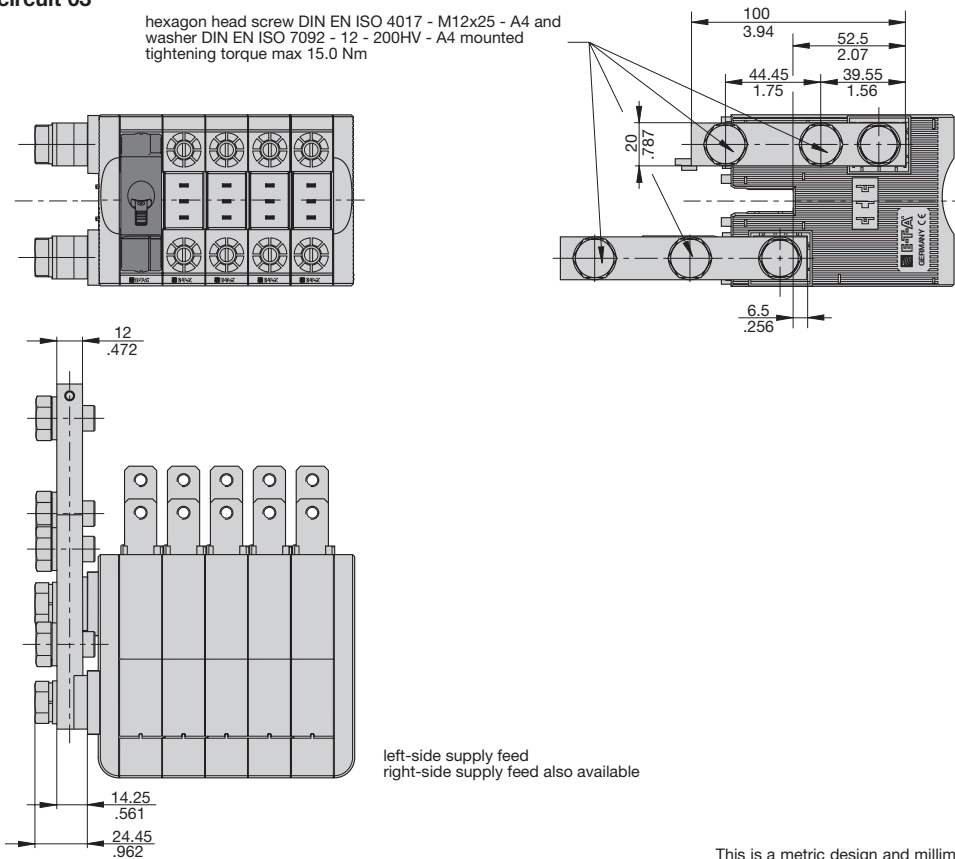
**Main circuit 01**



left-side supply feed  
right-side supply feed also available

**Main circuit 03**

hexagon head screw DIN EN ISO 4017 - M12x25 - A4 and washer DIN EN ISO 7092 - 12 - 200HV - A4 mounted tightening torque max 15.0 Nm

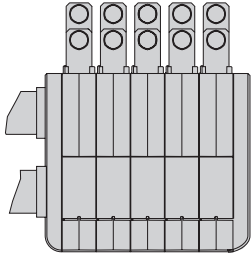


left-side supply feed  
right-side supply feed also available

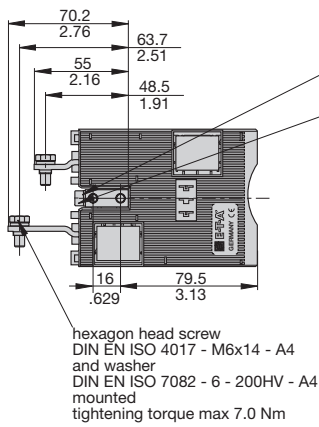
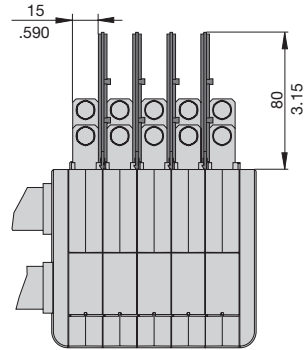
This is a metric design and millimeter dimensions take precedence (mm/inch)

**Terminal design**

**Circuit breaker module 01**  
without barrier

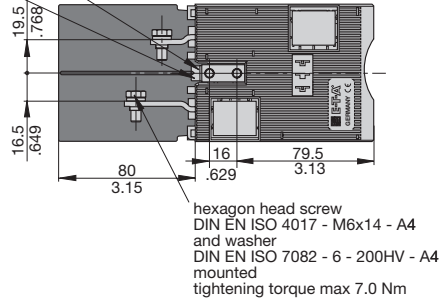


**Circuit breaker module 07**  
with barrier



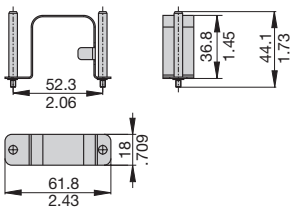
washer  
DIN EN ISO 7092 - 5 200HV - AOP

cylinder head screw  
DIN EN ISO 4762 - M5x35 - 8.8 - AOP



**Accessories**

**Withdrawal tool**  
**X 222 547 02**



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All dimensions without tolerances are for reference only. In the interest of improved design, performance and cost effectiveness the right to make changes in these specifications without notice is reserved. Product markings may not be exactly as the ordering codes. Errors and omissions excepted.