SIEMENS

Product data sheet

5SY8432-8BB08



CIRCUIT BREAKER 400V 25KA, 4-POLE, 32A, D=70MM ONLY MAGNETIC TRIPPING

Similar to image

Technical data:		
Type of mounting		Quick assembly system
type of voltage		AC/DC
Height	mm	90
Width	mm	72
Depth	mm	76
mounting position		any
Mounting depth	mm	70
Current / for AC / rated value	А	32
Tripping characteristic class		D
Supply voltage		
• for AC / rated value	V	400
 with single-phase operation / with AC / rated value 	V	230
• with multi-phase operation / with AC / rated value	V	400
Switching capacity current		
• in accordance with IEC 60947-2 / rated value	kA	25
Breaking capacity short-circuit current (Icn)		
\bullet with AC / in accordance with UL 1077 and CSA C22.2 No.235	kA	5

operating state / per poleImage of pich units for widthImage of pich units for widthImage of pich units for widthImage of pich units for widthYesDegree of pollutionImage of the pick	Active power loss / at rated value current / with AC / in warm	W	2.8
Product feature / sealable Ideal Yes Degree of pollution 3 3 Ambient temperature 'C' -5+45 Ambient temperature -40,+75 -40,+75 - during storage -40,+75 -40,+75 Position / of power supply cord -40,+75 -40,+75 Position / othouse aperation / with AC / rated value V 250 • with single-phase operation / with AC / rated value V 250 • with single processing mm ² 0.7535 • output berminals bord -7535 -35 • infly wire and processing	operating state / per pole		
Degree of pollution3Ambient temperature°C-25+45Ambient temperature°C-40+75• during storage°C-40+75Position / of power supply cordAnyProduct property / properties for main switches in accordanceVesMitch M6224.120,000Overvoltage class3Product quipment / touch-protection20,000Resistance against shock / according to IEC 60068-2-27YesInsulation voltageV250• with single-phase operation / with AC / rated valueV250• with single-phase operation / with AC / rated valueV250• solidmm²0.75 35• solidmm²0.75 35• multi-phase operation / with AC / rated valueV250• with single-phase operation / with AC / rated valueV250• with single-phase operation / with AC / rated valueV250• solidmm²0.75 35• multi-phase operation / with AC / rated valueV250• solidmm²0.75 35• multi-phase operation / with AC / rated valueV400• solidmm²0.75 35• multi-phase operation / with AC / rated valueV400• solidmm²0.75 35• multi-phase operation / with AC / rated valueVYes• solidmm²0.75 35• multi-phase operationYesYes• solidmm²0.75 36 </th <th></th> <th></th> <th></th>			
Ambient temperature "C -25 +45 Ambient temperature	Product feature / sealable		Yes
Ambient temperature Image: Mathematical and the strength of power supply cord 40 +75 Position / of power supply cord Any Any Product property / properties for main switches in accordance with EN 602041 20.000 Overvoltage class 20.000 Overvoltage class 140 Product equipment / touch-protection 200 Resistance against shock / according to IEC 60065-2:27 150 m/s² at 11ms half-sine Insulation voltage 150 m/s² at 11ms half-sine • with single-phase operation / with AC / rated value V 250 • with multi-phase operation / with AC / rated value V 250 • with single-phase operation / with AC / rated value V 250 • as encoded connectable conductor cross-section 14 4 14 4 Section de conductour accordable mm² 0.75 35 • multibrin mm² 0.75 35 • with wite end processing mm² 0.75 35 • combined terminal top mm² Yes • combined terminal top Yes Yes • with screw connection Toff Yes	Degree of pollution		3
during storage1°C40 +75Position / of power supply cordAnyProduct property / properties for main switches in accordance with B622641YesRechanical operating cycles as operating time / typical20,000Overvoitage class3Product equipment / touch-protectionYesResistance against shock / according to IEC 60065-2-27IoS (Sons*at 11ms half-sineInsulation voltageV250• with single-phase operation / with AC / rated valueV250• with multi-phase operation / with AC / rated valueV440AWG numberII• sa encoded connectable conductor cross-sectionII• solidmm²0.7535• multibrinmm²0.7535• nultibrinmm²0.7535• with wire end processingmm²0.7535• rothined terminal topImageYes• combined terminal topImageYes• with screw-type terminalsImageYes• with screw-type terminalsImageYes• with screw-type terminalsImageYes• with screw-type terminalsImageYes• Infolgerting torqueImageYes• Infolgerting torque (Ipf-in)ImageYes• with screw connectionImageYes• Infolgerting torque (Ipf-in)YesYes• Infolgerting torque (Ipf-in)YesYes• Infolgerting torque (Ipf-in)YesYes• Infolgertinge <td< td=""><td>Ambient temperature</td><td>°C</td><td>-25 +45</td></td<>	Ambient temperature	°C	-25 +45
Position / opwer supply cord Any Product property / properties for main switches in accordance with EN 60204-1 Any Wechanical operating cycles as operating time / typical 20.000 Overvoitage class 3 Product property / properties for main switches in accordance with EN 60204-1 Yes Overvoitage class 0 3 Product equipment / touch-protection Yes 1000/s² at 11ms half-sine Resistance against shock / according to EC 60068-2:27 1000/s² at 11ms half-sine • with single-phase operation / with AC / rated value V 250 • with multi-phase operation / with AC / rated value V 440 AWG number V 440 • selid mm² 0.75 35 • multibrin mm² 0.75 35 • inhibry stranded mm² 0.75 35 • inhibrin wire end processing mm² 0.75 35 • combined terminal top Yes Yes • combined terminal bottom Yes Yes • twith screw contection Ibf-in 2126 Froduct component Yes	Ambient temperature		
Product property / properties for main switches in accordance with EN 60204-1 Yes Mechanical operating cycles as operating time / typical 20.000 Overvotage class 3 Product equipment / touch-protection Yes Resistance against shock / according to IEC 60068-2-27 150m/s ² at 11ms half-sine Insulation voltage Yes • with single-phase operation / with AC / rated value V WG number V • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable mm ² • with wite end processing mm ² • with wite end processing mm ² • combined terminal top Yes • combined terminal top Yes • with screw type terminals N-m • with screw type terminals Ibf-in • with screw topnection Ibf-in • indigen-free Yes • indigen-free Yes • indigen-free Yes	during storage	°C	-40 +75
with EN 60204-1Image: second seco	Position / of power supply cord		Any
Overvoltage class 3 Product equipment / touch-protection Yes Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine Insulation voltage V • with single-phase operation / with AC / rated value V • with multi-phase operation / with AC / rated value V • WG number V • solid 14 4 Section de conductour cross-section 0.75 35 • multibrin mm² 0.75 35 • multibrin mm² 0.75 35 • finely stranded mm² 0.75 35 • with wire end processing mm² 0.75 35 Product component Yes Yes • combined terminal top Yes Yes • with screw-type terminals N-M 25 3 Tightening torque Yes Yes • with screw connection IbFin 24 26 Product feature Yes Yes • Indigen-free Yes Yes • halogen-free Yes Yes <th></th> <th></th> <th>Yes</th>			Yes
Product equipment / touch-protectionYesResistance against shock / according to IEC 60068-2-27150m/s² at 11ms half-sineInsulation voltageV250with single-phase operation / with AC / rated valueV440AWG number144• as encoded connectable conductor cross-section144Section de conducteur raccordablemm²0.7535• nultibrinmm²0.7535• with wire end processingmm²0.7535• combined terminal topmm²0.7525• combined terminals toctomYes• with screw-type terminalsNm253• routi screw-type terminalsYes• routi screw-type terminals<	Mechanical operating cycles as operating time / typical		20,000
Resistance against shock / according to IEC 60068-2-27 150m/s² at 11ms half-sine Insulation voltage V 250 • with single-phase operation / with AC / rated value V 400 AWG number V 400 • as encoded connectable conductor cross-section 144 Section de conducteur raccordable mm² 0.7535 • solid mm² 0.7535 • inhibitioni mm² 0.7535 • with wire end processing mm² 0.7535 Product component - - • combined terminal top mm² 0.7525 • combined terminals Yes - • with screw-type terminals N·m 253 Tightening torque	Overvoltage class		3
Insulation voltage V 250 with single-phase operation / with AC / rated value V 400 AWG number V 440 • as encoded connectable conductor cross-section 14 4 Section de conducteur raccordable mm² 0.75 35 • solid mm² 0.75 35 • multibrin mm² 0.75 35 • finely stranded mm² 0.75 35 • with wire end processing mm² 0.75 25 Product component Yes Yes • combined terminal top Yes Yes • with screw-type terminals N.m 2.5 3 Tightening torque N.m 2.5 3 • with screw connection Yes Yes Tightening torque (Ibf-in) Yes Yes • with screw connection Ibf-in 2 26 Product feature Yes Yes Yes • [not supplied - silicon-free] Yes Yes • halogen-free Yes Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Yes	Product equipment / touch-protection		Yes
with single-phase operation / with AC / rated valueV250with multi-phase operation / with AC / rated valueV440AWG number14 4• as encoded connectable conductor cross-section14 4Section de conducteur raccordablemm²0.75 35• solidmm²0.75 35• multibrinmm²0.75 35• finely strandedmm²0.75 35• with wire end processingmm²0.75 35Product componentYesYes• combined terminal topYesYes• with screw-type terminalsN-m2.5 3Tightening torqueN-m2.5 3• with screw connectionIbFin2.5 3Product featureN-m2.5 3• with screw connectionIbFinYes• tot supplied - silicon-free]Yes• halogen-freeYesNumber of test cycles / for environmental testing / in auditGe	Resistance against shock / according to IEC 60068-2-27		150m/s ² at 11ms half-sine
with multi-phase operation / with AC / rated valueV440AWG number • as encoded connectable conductor cross-sectionIISection de conducteur raccordable • solidmm20.75 35• solidmm20.75 35• multibrin • with wire end processingmm20.75 35• with wire end processingmm20.75 25Product component • combined terminal top • combined terminal bottomYesYes• Tightening torque • with screw-type terminalsN-m2.5 3Tightening torque (lif-in) • with screw connectionIbf-in2.2 26Product feature • halogen-freeYesYesProduct feature • halogen-freeYesYesNumber of test cycles / for environmental testing / in cordance with IEC 60068-2-30YesYes	Insulation voltage		
AWG number Identified of the second deconductor cross-section Identified of the second deconductor cross-section section de conducteur raccordable Identified of the second deconductor cross-section Identified of the second deconductor cross-section solid mm2 0.75 35 • multibrin mm2 0.75 35 • finely stranded Identified of the second decond de	 with single-phase operation / with AC / rated value 	V	250
• as encoded connectable conductor cross-section14 4Section de conducteur raccordable• solidmm²0.75 35• multibrinmm²0.75 35• multibrinmm²0.75 35• finely strandedmm²0.75 25• with wire end processingmm²0.75 25Product componentYesYes• combined terminal topYesYes• combined terminal bottomN·m2.5 3Tightening torqueN·m2.5 3• with screw-type terminalsN·m2.5 3Product featureIbf-in2.2 26• not supplied - silicon-free]Yes• halogen-freeYesNumber of test cycles / for environmental testing / in accondance with IEC 60068-2:30G	 with multi-phase operation / with AC / rated value 	V	440
Section de conducteur raccordable mm2 .75 35 • solid mm2 0.75 35 • multibrin mm2 0.75 35 • finely stranded mm2 0.75 35 • with wire end processing mm2 0.75 35 Product component mm2 0.75 25 • combined terminal top MM2 Yes • combined terminal bottom Yes Yes Tightening torque N-m2 2.5 3 • with screw -type terminals N-m2 2.5 3 Tightening torque (lbf-in) 2.5 3 2.5 3 • with screw connection Ibf ·in 22 26 Product feature Yes Yes • (not supplied - silicon-free] Yes Yes • halogen-free Yes Yes Number of test cycles / for environmental testing / in and testi	AWG number		
• solidmm20.75 35• multibrinmm20.75 35• finely strandedmm20.75 35• with wire end processingmm20.75 25Product componentresYes• combined terminal topYes• combined terminal bottomYesTightening torqueN·m2.5 3• with screw-type terminalsN·m2.5 3Tightening torque (lbf-in)John2.2 26• with screw connectionIbf-in2.2 26Product featureYesYes• halogen-freeYesNumber of test cycles / for environmental testing / in with IEC 60068-2-30See All	 as encoded connectable conductor cross-section 		14 4
• multibrinmm20.75 35• finely strandedmm20.75 25• with wire end processingmm20.75 25Product componentYesYes• combined terminal topYesYes• combined terminal bottomN·m2.5 3Tightening torqueN·m2.5 3• with screw-type terminalsN·m2.5 3Tightening torque (lbf-in)JenJen• with screw connectionIbf-in22 26Product featureYesYes• [not supplied - silicon-free]YesYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in work hLEC 60068-2-30See GallSee Gall	Section de conducteur raccordable		
• finely strandedImm20.75 25Product componentmm20.75 25• combined terminal topYesYes• combined terminal bottomYesYesTightening torqueN·m2.5 3• with screw-type terminalsN·m2.5 3Tightening torque (lbf·in)Ibf·in22 26• with screw connectionIbf·inYes• Inot supplied - silicon-free]YesYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in accordance with IEC 60068-2-30GaleGale	• solid	mm²	0.75 35
• with wire end processingnm20.75 25Product componentImp20.75 25• combined terminal topYesYes• combined terminal bottomYesYesTightening torqueN·m2.5 3• with screw-type terminalsN·m2.5 3Tightening torque (lbf-in)Ibf-in22 26• with screw connectionIbf-inYes• findt supplied - silicon-free]YesYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in accordance with IEC 60068-2-30Silon6	• multibrin	mm²	0.75 35
Product componentImage: second se	finely stranded		
• combined terminal topYes• combined terminal bottomYesTightening torqueN·m2.5 3• with screw-type terminalsN·m2.5 3Tightening torque (lbf-in)Ibf-in22 26• with screw connectionIbf-in22 26Product featureYesYes• halogen-freeYesNumber of test cycles / for environmental testing / in accordance with IEC 60068-2-30Sole and a sole	with wire end processing	mm²	0.75 25
• combined terminal bottomYesTightening torqueYes• with screw-type terminalsN·m2.5 3Tightening torque (lbf-in)N·m2.5 3• with screw connectionIbf in22 26Product featureYesYes• [not supplied - silicon-free]YesYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in accordance with IEC 60068-2-30Set of test cycles / for environmental testing / in accordance with IEC 60068-2-30Set of test cycles / for environmental testing / in accordance with IEC 60068-2-30	Product component		
Tightening torqueN-m2.5 3• with screw-type terminalsN-m2.5 3Tightening torque (lbf-in)Ibf-in22 26• with screw connectionIbf-in22 26Product featureYesYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in accordance with IEC 60068-2-306	combined terminal top		Yes
• with screw-type terminalsN·m2.5 3Tightening torque (lbf·in) • with screw connectionIbf·in22 26Product feature • [not supplied - silicon-free]YesYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in accordance with IEC 60068-2-3066	combined terminal bottom		Yes
Tightening torque (lbf-in) Ibf-in 22 26 • with screw connection Ibf-in 22 26 Product feature Yes Yes • halogen-free Yes Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Galaat Galaat	Tightening torque		
• with screw connectionIbf-in22 26Product feature • [not supplied - silicon-free] • halogen-freeYes• Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30Yes	with screw-type terminals	N∙m	2.5 3
Product feature Yes • [not supplied - silicon-free] Yes • halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 6	Tightening torque (lbf-in)		
 • [not supplied - silicon-free] • halogen-free Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 Yes 6 	with screw connection	lbf∙in	22 26
 halogen-free Yes Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30 6 	Product feature		
Number of test cycles / for environmental testing / in 6 accordance with IEC 60068-2-30 6	 [not supplied - silicon-free] 		Yes
accordance with IEC 60068-2-30	halogen-free		Yes
Item designation / according to DIN EN 61346-2 F			6
	Item designation / according to DIN EN 61346-2		F

Certificates/approvals:



Further information:

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs

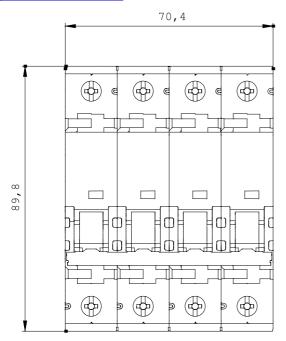
Industry Mall (Online ordering system) http://www.siemens.com/lowvoltage/mall

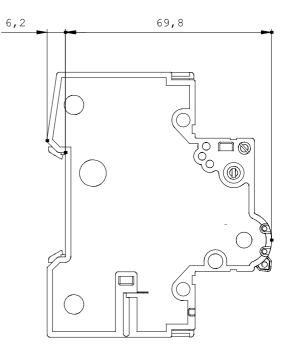
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/5SY8432-8BB08/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SY8432-8BB08

CAx-Online-Generator

http://www.siemens.com/cax





last change:

Dec 31, 2012