

## **MEF EMC-FILTER 3-PHASE 1-STAGE WITH NEUTRAL**

I:72A U:4x500 VAC

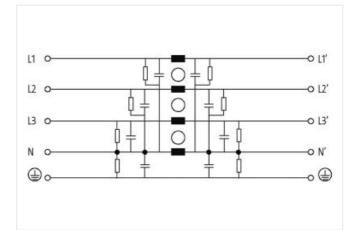
Current: 72 A with neutral with increased damping Attenuation curves on request.

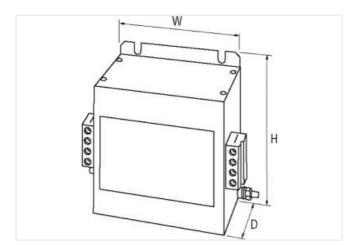
The 3-phase and 1-stage MEF 3/1 line suppression filters are used in the range 0.1...30 MHz to suppress conducted interference on mains and supply lines. They are suitable for TN-S, TN-C-S and TT networks. The best filter effect is achieved with short connecting lines (recommendation: PE connection < 10 cm) with the largest possible cross-sections. The mains suppression filters act bidirectionally (in both directions). They reduce symmetrical and asymmetrical interference, which often occurs in electronically controlled three-phase devices due to mains interference.

## Link to Product

Illustration







Product may differ from Image



ECLASS-6.0

27130806

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05

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ECLASS-7.027.40290ECLASS-8.027.40290ECLASS-10.127.40209ECLASS-11.127.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ECLASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.027.40209ELASS-12.014.4089ELASS-12.027.40209ELASS-12.027.40209ELASS-12.025.007.0ELASS-12.025.007.0ELASS-12.025.007.0ELASS-12.025.007.0ELASS-12.025.007.0Consector orse-sector sold man.25.007.0Consector Orse-sector sold man.26.007.0 <th>ECLASS-6.1</th> <th>27420201</th>	ECLASS-6.1	27420201
ECLASS:0.0         2740200           ECLASS:1.1         2740208           ELASS:0.0         2740208           Cautoms Enf mucher         8580300           GIN         4048702070           Packaging unit         1           Electrical data         Electrical data           Electrical data [Suppiy         0	ECLASS-7.0	27420290
ECLASS:10.1         27.40208           ECLASS:12.0         27.420208           ETMAS.0         ECM0268           CALSS:12.0         27.420208           ETMAS.0         ECM0268           Catabon staff number         8556300           GTIN         404878028070           Packaging unit         1           Electrical data         Electrical data           Electrical data         Electrical data [Supply           Power frequency         50	ECLASS-8.0	27420290
ECLASS-11.1         27/420208           ECLASS-12.0         27/420208           ECLASS-12.0         EC002498           customs tarfl number         8555300           GTIN         404870020070           Packaging unit         1           Electrical data	ECLASS-9.0	27420290
ECLASS 12.02749208ETIM-5.0EC02438Calons tarff number8558303GTIN404879028070Packaging unit1Electrical dataElectrical dataElectrical data (Sapp)Fower frequency5060 HzOperating voltage AC max.500 VElectrical data (Supp)Electrical data (Supp)Electrical data (Supp)Electrical data (Supp)Electrical data (Supp)Phase number fupt3Electrical data (Supp)Overload currert10.5 mm²Connection cross-section still max.0.5 mm²Electrical data (Muming data0.5 mm²Electrical data (Mu	ECLASS-10.1	27420208
F1M 6.0EC002490cultoria taff number85360300Calloria taff number85360300Packagny unit1Electrical data1Electrical data15 m Å @ 250 V AC. 50 HzElectrical data [Suppiy50 60 HzOperating voltage AC max.50 U.Electrical data [Nput5Electrical data [Nput5Electrical data [Nput5Electrical data [Nput5Electrical data [Nput5Electrical data [Nput8Electrical data [Nput16* (IN t) max. 0.5 ms; 1.5* (IN t) max. 1 min. (1* per hour)Instaliation0.5 mm²Connection cross-section solit min.0.5 mm²Connection cross-section solit min.0.5 mm²Connection cross-section solit min.25 mm²Connection cross-section solit min.20AWG number solit min.3.1 kVInsulation test voltage L-1	ECLASS-11.1	27420208
outsoms tariff number         8586300           GTIN         404878025070           Packaging unit         1           Electrical data         5 <m td="">           Electrical data         5<m td="">           Electrical data         50 m/ 62 20 V AC, 50 Hz           Electrical data         50 m/ 62 20 V AC, 50 Hz           Electrical data         15 m/ 62 20 V AC, 50 Hz           Electrical data         15 m/ 62 20 V AC, 50 Hz           Electrical data         150 V           Electrical data         10 Mg max           Prese number input         3           Electrical data         10 Mg max           Devel forquoret         8. (Nt max&lt;.0.5 ms; 1.5x (Nt ) max.1 min. (1x per hour)</m></m>	ECLASS-12.0	27420208
GTIN4048879029070Packagr unit1Electrical dataLakaga current max.15 mÅ @ 250 V AC, 50 HzElectrical data   SupplyPover frequoncy50 60 HzOperating voltage AC max.50 VElectrical data   NputPhase morber ringul3Electrical data   OutputOverating voltage action solita data   OutputConstantion cross-section solita min.0.5 mm²Connection cross-section solita min.0.5 mm²Connection cross-section solita min.0.5 mm²Connection cross-section solita min.20Connection cross-section solita min.20AVG a rundor solita min.3AVG a rundor solita min.3AVG a rundor solita min.20AVG a rundor solita min.3AVG a rundor solita min.3Bista min di travella di travella di travella di travella di travella	ETIM-5.0	EC002498
Packaging unit         1           Electrical data         Image current max.         15 mk @ 250 V AC, 50 Hz           Electrical data   Suppy)         50 ··· 60 Hz           Power frequency         50 ··· 60 Hz           Operating voltage AC max.         500 V           Electrical data   Suppy)         50 ··· 60 Hz           Phase number input         3           Electrical data   Output         S           Electrical data   Output         S           Electrical data   Output         S           Connection cross-section solid min.         0.5 mm³           Connection cross-section solid min.         0.5 mm³           Connection cross-section solid max.         25 mm³           Connection cross-section solid max.         25 mm³           Connection cross-section solid max.         20           AVG number solid max.         3	customs tariff number	85363030
Electrical data         Is mA @ 250 VAC, 50 Hz           Electrical data   Suppiy         50000 Hz           Operating voltage AC max.         500 V           Electrical data   nput         500 V           Electrical data   nput         8           Consection organ section solid max.         0           Consection cross section solid max.         0.5 mm²           Connection cross section solid max.         0.5 mm²           Connection cross section solid max.         0.5 mm²           Connection cross section solid max.         25 mm²           Connection cross section solid max.         3           AVG number standed min.         20           AVG number standed max.         3           Butter standed max.         3           Butter	GTIN	4048879029070
Lakage current max.         15 mA @ 250 V AC, 50 Hz           Electrical data   Suppy         5060 Hz           Operating vollage AC max.         500 V           Electrical data   Input         3           Phase number input         3           Electrical data   Output         3           Electrical data   Output         3           Contraction and Social max.         0.5 mm²           Connaction cross section solid max.         25 mm²           Connaction cross section solid max.         26 mm²           AWG number solid max.         3           Berker protection Electrical         3           Insulation test voltage L-L         3.1 kV <td>Packaging unit</td> <td>1</td>	Packaging unit	1
Electrical data   Supply         5060 Hz           Operating voltage AC max.         500 V           Electrical data   Input         3           Pase number input         3           Electrical data   Output         0 (N I) max. 0.5 ms; 1.5 (N I) max. 1 min. (1 * per hour)           Insialation         0.5 mm²           Connection cross-section solid min.         0.5 mm²           Connection cross-section solid max.         25 mm²           Connection cross-section solid max.         25 mm²           Connection cross-section standed/line- stranded min.         0.5 mm²           Connection cross-section standed/line- stranded min.         20           AWG number solid max.         3           AWG number solid max.         3           AWG number solid max.         3           Device protection Electrical Insulation test voltage L-L         3.1 kV           Insulation test voltage L-L         3.5 vB           Envertent         2 man	Electrical data	
Power frequency         50 60 Hz           Operating voltage AC max.         500 V           Electrical data   input         3           Phase number input         3           Electrical data   Output         (N I) max. 0.5 ms; 1.5 × (N I) max. 1 min. (1× par hour)           Instillation         0.5 mm²           Connection cross-section solit min.         0.5 mm²           Connection cross-section solit max.         25 mm²           AWG number solit min.         20           AWG number stranded filme:         3           Insulation solutation test voltage         2           Insulation test voltage         3           Verking number stranded filme:         3           Insulation test voltage L-N         3.1 kV           Insulation test voltage L-N         3.1 kV           Insulation test voltage L-N         3.1 kV           Insit material test por	Leakage current max.	15 mA @ 250 V AC, 50 Hz
Operating voltage AC max.         500 V           Electrical data   Input	Electrical data   Supply	
Operating voltage AC max.         500 V           Electrical data   Input	Power frequency	50 60 Hz
Electrical data   hput         3           Phase number input         3           Electrical data   Output         Is (N I) max. 0.5 ms; 1.5 (N I) max. 1 min. (1 × per hour)           Installation         0.5 mm³           Connection cross-section solid max.         2.5 mm³           Connection cross-section solid max.         2.5 mm³           Connection cross-section stranded/fine- stranded max.         0.5 mm³           Connection cross-section stranded/fine- stranded max.         2.5 mm³           Connection cross-section stranded/fine- stranded max.         3           AWG number solid max.         3           AWG number solid max.         3           AWG number stranded/fine stranded max.         3           Device protection   Electrical         1           Duration insulation test voltage L-L         3.1 kV           Insulation test voltage L-N         3.3 kV           Morting method         screwed           Height         153 mm           Vielint         153 mm           Worting stratcristics		
Phase number input         3           Electrical data   Output         18+ (IN 1) max. 0.5 ms; 1.5× (IN 1) max. 1 min. (1× per hour)           Installation         0.5 mm <sup>2</sup> Connection cross-section sold max.         25 mm <sup>2</sup> Connection cross-section sold max.         25 mm <sup>2</sup> Connection cross-section stranded/fine-stranded fine-stranded fine.         0.5 mm <sup>2</sup> Connection cross-section stranded/fine-stranded fine.         20           AWG number sold max.         3           AWG number stranded/fine stranded max.         3           Device protection [Electrical         1           Duration insulation test voltage         2 s           Insulation test voltage L-1         3.1 kV           Insulation test voltage L-1         2.5 mm <sup>2</sup> Concetton type         25 mm <sup>2</sup> </td <td></td> <td></td>		
Electrical data   Output           Overload current         18× (IN I) max. 0.5 ms: 1.5× (IN I) max. 1 min. (1× per hour)           Installation         0.5 mm²           Connection cross-section solid min.         0.5 mm²           Connection cross-section stranded/line- stranded min.         0.5 mm²           Connection cross-section stranded/line- stranded min.         0.5 mm²           Connection cross-section stranded/line- stranded min.         25 mm²           Connection cross-section stranded/line- stranded max.         3           AWG number solid max.         3           AWG number solid min.         20           AWG number solid max.         3           AWG number stranded/line stranded max.         3           Davido number stranded/line stranded max.         3           MWG number stranded/line stranded max.         3           MWG number stranded/line stranded max.         3           Muta stranded/line stranded max.         3           No translot strotlage L L         3.1 kV           Insulation test voltage L N		3
Overload current         18× (IN t) max. 0.5 ms; 1.5× (IN t) max. 1 min. (1× per hour)           Installation         Connection cross-section solid min.         0.5 mm²           Connection cross-section solid max.         25 mm²         Connection cross-section solid max.         25 mm²           Connection cross-section solid max.         25 mm²         Connection cross-section stranded/fine-stran		
Installation         0,5 mm²           Connection cross-section solid max.         25 mm²           Connection cross-section stranded/fine- stranded min.         0,5 mm²           Connection cross-section stranded/fine- stranded min.         0,5 mm²           Connection cross-section stranded/fine- stranded max.         26 mm²           AWG number solid min.         20           AWG number solid min.         20           AWG number solid max.         3           AWG number stranded/fine- stranded/fine stranded max.         3           AWG number stranded/fine stranded max.         3           Duration insulation test voltage 1L         3,1 kV           Insulation test voltage 1L         3,1 kV           Insulation test voltage 1L         3,3 kV           Mechanical data   Mounting data         screwed           Height         153 mm           Width         123 nm           Depth         125 mm           Environmental characteristics   Climatic         Screw terminals SK           Family construct	· · ·	$10 (101 \pm) mov = 0.5 mov = 1.5 (101 \pm) mov = 1.min (1. mov hour)$
Connection cross-section solid max.         25 mm²           Connection cross-section standed/fine- stranded min.         0.5 mm²           Connection cross-section stranded/fine- stranded max.         25 mm²           AWG number solid max.         20           AWG number solid max.         3           AWG number solid max.         3           AWG number stranded/fine stranded max.         3           AWG number stranded/fine stranded max.         3           Device protection [Electrical         D           Duration insulation test voltage         2 s           Insulation test voltage L-L         3,1 kV           Insulation test voltage L-N         3,3 kV           Mechanical data [Mounting data         3           Mounting method         screwed           Height         153 mm           Width         123 mm           Depth         125 mm           Envincenteristics   Climatic         Strawe           Connection form         Screw terminal SK           Family construction form         terminal           Gonderic Larrier         gray           No. of poles         4           PiN1         L1		18× (IN I) max. 0.5 ms; 1.5× (IN I) max. 1 min. (1× per nour)
Connection cross-section stranded/fine- stranded min.         0,5 mm <sup>2</sup> Connection cross-section stranded/fine- stranded max.         25 mm <sup>2</sup> AWG number solid min.         20           AWG number solid min.         3           AWG number solid max.         3           AWG number solid max.         3           AWG number solid max.         3           AWG number stranded/fine stranded max.         3           Device protection   Electrical         2           Duration insulation test voltage         2 s           Insulation test voltage L-L         3,1 kV           Insulation test voltage L-L         3,3 kV           Mechanical data   Mounting data         3           Mounting method         screwed           Height         153 mm           Width         123 mm           Depth         125 mm           Environmental characteristics   Climatic         Connection form           Connection form         Screw terminals SK           Family construction form         terminal           Gender         female           Color contact carrier         gray           No. of poles         4           PIN 1         L1		
Connection cross-section stranded/fine- stranded min.     0,5 mm²       Connection cross-section stranded/fine- stranded max.     25 mm²       AWG number solid min.     20       AWG number solid max.     3       AWG number stranded/fine stranded min.     20       AWG number stranded/fine stranded max.     3       Device protection   Electrical     2       Duration insulation test voltage     2 s       Insulation test voltage L-L     3,1 kV       Insulation test voltage L-L     3,1 kV       Mechanical data   Mounting data     Mounting method       Mounting method     screwed       Height     153 mm       Width     128 nm       Depth     125 mm       Environmental characteristics   Climatic     Screwed       Connection type Z     Screw terminals SK       Family construction form     terminal       Gender     fenale       Color contact carrier     gray       No. of poles     4       PIN 1     L1       PIN 2     L2		
stranded min.         0.5 mm <sup>2</sup> Connection cross-section stranded/filme- stranded max.         25 mm <sup>2</sup> AWG number solid min.         20           AWG number solid max.         3           AWG number solid max.         3           AWG number solid max.         3           AWG number stranded/filme stranded min.         20           AWG number stranded/filme stranded min.         20           AWG number stranded/filme stranded min.         3           Duration insulation test voltage         3           Device protection   Electrical         Duration insulation test voltage           Duration insulation test voltage L-L         3,1 kV           Insulation test voltage L-N         3,3 kV           Mechanical data   Mounting data         Screwed           Mounting method         screwed           Height         153 mm           Vidth         123 mm           Depth         125 mm           Environmetal characteristics   Climatic           Connection fype 2         Screw terminals SK           Family construction form         terminal           Gender         female           Color contact carrier         gray           No. of poles         4           PIN1 </td <td></td> <td>25 mm<sup>2</sup></td>		25 mm <sup>2</sup>
stranded max.         25 mm <sup>2</sup> AWG number solid min.         20           AWG number solid max.         3           AWG number stranded/fine stranded min.         20           AWG number stranded/fine stranded max.         3           Device protection   Electrical         3           Duration insulation test voltage         2 s           Insulation test voltage L-L         3,1 kV           Insulation test voltage L-N         3,3 kV           Mechnical data   Mounting data         screwed           Mounting method         screwed           Height         153 mm           Width         123 mm           Depth         125 mm           Connection type 2         connection type 2           Connection type 2         connection fype 3           Connection fype         gray           No. of poles         4           PIN1         L1	stranded min.	0,5 mm <sup>2</sup>
AWG number solid max.3AWG number stranded/fine stranded min.20AWG number stranded/fine stranded max.3Device protection   ElectricalDuration insulation test voltage2 sInsulation test voltage L-L3,1 kVInsulation test voltage L-N3,3 kVMechanical data   Mounting dataMounting methodscrewedHeight153 mmWidth123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection fype 2Connection formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2		
AWG number stranded/fine stranded min.       20         AWG number stranded/fine stranded max.       3         Device protection   Electrical       1         Duration insulation test voltage       2 s         Insulation test voltage L-L       3,1 kV         Insulation test voltage L-N       3,3 kV         Mechanical data   Mounting data       Screwed         Height       153 mm         Width       123 mm         Depth       125 mm         Environmental characteristics   Climatic         Connection type 2         Connection type 2         Connection form       Screw terminals SK         Family construction form       terminal         Gender       gray         No. of poles       4         PIN 1       L1         PIN 2       L2		
AWG number stranded/fine stranded max.       3         Device protection   Electrical         Duration insulation test voltage       2 s         Insulation test voltage L-L       3,1 kV         Insulation test voltage L-N       3,3 kV         Mechanical data   Mounting data       screwed         Height       153 mm         Width       123 mm         Depth       125 mm         Environmental characteristics   Climatic         Climatic category (EN IEC 60068-1)       25/085/21         Connection type 2         Connection form       terminal         Gender       female         Color contact carrier       gray         No. of poles       4         PIN 1       L1         PIN 2       L2		
Device protection   Electrical         Duration insulation test voltage       2 s         Insulation test voltage L-L       3,1 kV         Insulation test voltage L-N       3,3 kV         Mechanical data   Mounting data       Screwed         Height       153 mm         Width       123 mm         Depth       125 mm         Environmental characteristics   Climatic         Climatic category (EN IEC 60068-1)       25/085/21         Connection form       Screw terminals SK         Family construction form       terminal         Gender       female         Color contact carrier       gray         No. of poles       4         PIN 1       L 1         PIN 2       L 2		
Duration insulation test voltage2 sInsulation test voltage L-L3,1 kVInsulation test voltage L-N3,3 kVMechanical data   Mounting dataMounting methodscrewedHeight153 mmVidth123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 225/085/21Connection formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2	AWG number stranded/fine stranded max.	3
Insulation test voltage L-L     3,1 kV       Insulation test voltage L-N     3,3 kV       Mechanical data   Mounting data     screwed       Mounting method     screwed       Height     153 mm       Width     123 mm       Depth     125 mm       Environmental characteristics   Climatic       Climatic category (EN IEC 60068-1)     25/085/21       Connection type 2       Connection form     terminal       Gender     female       Color contact carrier     gray       No. of poles     4       PIN 1     L1       PIN 2     L2	Device protection   Electrical	
Insulation test voltage L-N       3,3 kV         Mechanical data   Mounting data         Mounting method       screwed         Height       153 mm         Width       123 mm         Depth       125 mm         Environmental characteristics   Climatic         Climatic category (EN IEC 60068-1)       25/085/21         Connection type 2         Connection form       Screw terminals SK         Family construction form       terminal         Gender       female         Color contact carrier       gray         No. of poles       4         PIN 1       L 1         PIN 2       L 2	Duration insulation test voltage	2 s
Mechanical data   Mounting dataMounting methodscrewedHeight153 mmWidth123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 225/085/21Connection formScrew terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4FIN 1L 1FIN 2L 2	Insulation test voltage L-L	3,1 kV
Mounting methodscrewedHeight153 mmWidth123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 2Screw terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2	Insulation test voltage L-N	3,3 kV
Height153 mmWidth123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 2ConnectionScrew terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2	Mechanical data   Mounting data	
Height153 mmWidth123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 2ConnectionScrew terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2	Mounting method	screwed
Width123 mmDepth125 mmEnvironmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 2ConnectionScrew terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2		
Depth       125 mm         Environmental characteristics   Climatic         Climatic category (EN IEC 60068-1)       25/085/21         Connection type 2         Connection       Screw terminals SK         Family construction form       terminal         Gender       female         Color contact carrier       gray         No. of poles       4         PIN 1       L 1         PIN 2       L 2		
Environmental characteristics   ClimaticClimatic category (EN IEC 60068-1)25/085/21Connection type 2Screw terminals SKConnection formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2		
Connection type 2ConnectionScrew terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2		
ConnectionScrew terminals SKFamily construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2	Climatic category (EN IEC 60068-1)	25/085/21
Family construction formterminalGenderfemaleColor contact carriergrayNo. of poles4PIN 1L 1PIN 2L 2	Connection type 2	
Gender     female       Color contact carrier     gray       No. of poles     4       PIN 1     L 1       PIN 2     L 2	Connection	Screw terminals SK
Color contact carrier     gray       No. of poles     4       PIN 1     L 1       PIN 2     L 2	Family construction form	terminal
No. of poles     4       PIN 1     L 1       PIN 2     L 2		female
PIN 1         L 1           PIN 2         L 2	Color contact carrier	gray
PIN 2 L 2	No. of poles	4
	PIN 1	L1
PIN 3 L 3	PIN 2	L 2
	PIN 3	L 3

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PIN 4	Ν
Connection	Screw terminals SK
Family construction form	terminal
Gender	female
Color contact carrier	gray
No. of poles	4
PIN 1	L 1'
PIN 2	L 2'
PIN 3	L 3'
PIN 4	N'

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