

FL ISOLATOR 100-RJ/SC

Order No.: 2313928



Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 100 Mbps. Connection using RJ45 and COMBICON plug-in screw terminal block.

Commercial data

EAN	4  046356 575072
Pack	1
Customs tariff	85437090
Product key	09658
Country of Origin	DE
Catalog page information	Page 551 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
02/08/2010



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Technical data

Serial interface

Interface 1	Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u
Transmission length	≤ 100 m (Total length across both ports (dependent on data rate and cable used))
Connection method	RJ45 female connector, shielded
Serial transmission speed	10/100 Mbps

General data

Width	22.5 mm
Height	99 mm
Depth	92 mm
Ambient temperature (operation)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 95 % (no condensation)
Electrical isolation	(Ethernet // Ethernet)
Test voltage data interface/data interface	4 kV AC (50 Hz, 1 min.)
Insulation voltage input/output	250 V _{rms}
Standards/regulations	EN 50121 and EN 50155 (for railway applications)
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Degree of protection	IP20
Net weight	90 g
Housing material	PA 6.6-FR
Color	green
MTBF	26549 Years (Telcordia standard, 25°C temperature, 21% operating cycle (5 days a week, 8 hours a day))
	9033 Years (Telcordia standard, 40°C temperature, 34.25% operating cycle (5 days a week, 12 hours a day))

Accessories

Item	Designation	Description
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Cable/conductor

2832250	FL CAT5 PATCH 0,3	Patch cable, CAT5, assembled, 0.3 m
2832263	FL CAT5 PATCH 0,5	Patch cable, CAT5, assembled, 0.5 m
2832276	FL CAT5 PATCH 1,0	Patch cable, CAT5, assembled, 1.0 m
2832221	FL CAT5 PATCH 1,5	Patch cable, CAT5, assembled, 1.5 m
2832289	FL CAT5 PATCH 2,0	Patch cable, CAT5, assembled, 2.0 m
2832292	FL CAT5 PATCH 3,0	Patch cable, CAT5, assembled, 3.0 m
2891181	FL CAT6 PATCH 0,3	Patch cable, CAT6, pre-assembled, 0.3 m
2891288	FL CAT6 PATCH 0,5	Patch cable, CAT6, pre-assembled, 0.5 m
2891385	FL CAT6 PATCH 1,0	Patch cable, CAT6, pre-assembled, 1.0 m
2891482	FL CAT6 PATCH 1,5	Patch cable, CAT6, pre-assembled, 1.5 m
2891589	FL CAT6 PATCH 2,0	Patch cable, CAT6, pre-assembled, 2.0 m

2891686	FL CAT6 PATCH 3,0	Patch cable, CAT6, pre-assembled, 3.0 m
General		
2744610	FL CAT5 TERMINAL BOX	Patch panel, an RJ45 socket on 4 screw connection terminal blocks (assignment 1, 2, 3, 6), CAT5e, 10/100 Mbps, DIN rail mounting, IP20, shield contacting on DIN rail
2313931	FL ISOLATOR 100-RJ/RJ	Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 100 Mbps. Possible to connect two RJ45 plugs.
2313915	FL ISOLATOR 1000-RJ/RJ	Passive network isolator for electrical isolation in Ethernet networks. This protects Ethernet devices from potential differences of up to 4 kV. Can be used for transmission speeds of up to 1 Gbps. Possible to connect two RJ45 plugs.
2901645	FL-PP-RJ45-LSA	Patch panel, an RJ45 female connector on 8 LSA connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901643	FL-PP-RJ45-SC	Patch panel, an RJ45 female connector on 8 screw connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901642	FL-PP-RJ45-SCC	Patch panel, an RJ45 female connector on 8 spring-cage connection terminal blocks (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers
2901646	FL-PP-RJ45/RJ45	Patch panel, two RJ45 female connectors (1:1 assignment), CAT5e, 10/100/1000 Mbps, DIN rail mounting, IP20, option of shield contacting on DIN rail via jumpers