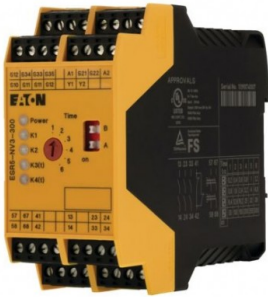


INDUSTRIAL COMPONENT DATA

ESR5-NV3-300 171858 Y7-171858 EATON ELECTRIC Safety relays for emergency stop/protective door/light curtain ..

Brand: EATON - MOELLER | Manufacturer Part Number: ESR5-NV3-300



Manufacturer	EATON - MOELLER
MPN / Reference	ESR5-NV3-300
Catalog number	Y7-171858
Category	Device for monitoring of safety-related circuits
Minimum order	1 Pcs
Document ID	EO-47B01B634A
Generated	2026-08-06

Product Overview

Safety relays for emergency stop/protective door/light curtain monitoring, 24VDC, off-delayed, 0-300 sec.

ESR5-NV3-300

Safety relay with adjustable 0-300 sec. OFF-delay for implementing basic emergency stop / protective door / light curtain functions, single-channel or dual-channel operation, supply voltage 24VDC, 2 Enable current paths (IEC/EN 60204 Stop category 0), 2 Enable current paths (IEC/EN 60204 Stop category 1), 1 signal current path, busbar tag shroud to EN 50274 with vertical actuation from the front finger- and back-of-hand proof, suitable for PL e, cat. 4 as per EN ISO 13849-1 / SILCL 3 as per IEC 62061 / SIL 3 for high-demand requirements only, degree of protection IP20, minimum degree of protection of installation location: IP54, TÜV tested , rated impulse voltage 4 kV / basic isolation (safe isolation, reinforced insulation and 6 kV between the enable current paths (13/14, 23/24, 33/34) and the remaining current paths and between 13/14, 23/24, 33/34 arranged one.)

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path EATON - MOELLER > Relay timers (KETR, KEMR, KESR)

Additional Product Information

General specifications

Product Name Eaton ESR5 Safety relay Catalog Number 171858 Model Code ESR5-NV3-300 EAN 4015081684298

Product Length/Depth 114.5 mm Product Height 99 mm Product Width 45 mm Product Weight 0.472 kg Certifications 2014/30/EU

CE

CSA-C22.2 No. 14-95

UL File No.: E29184

UL report applies to both US and Canada

EN 50178

EN ISO 13849-1

IEC 62061

UL

UL Category Control No.: NKCR; NKCR7

CSA Class No.: 3211-83; 3211-03

IEC 61508, Parts 1-7

IEC/EN 60204

Certified by UL for use in Canada

UL 508

Machines 2006/42/EG Feature & Functions

Electric connection type Screw connection Features Safe insulation

3 Non-delayed enable current paths

Monitored reset

Automatic start

6 kV between the enable current paths (13/14, 23/24, 33/34) and the remaining rungs, as well as between 13/14, 23/24, 33/34 in relation to each other

Manual start

Reinforced insulation

Basic insulation Fitted with: Feedback circuit

Start input

Approval according to UL

Detachable clamps

Approval for TÜV Functions 1-channel

2-channel General information

Connection type M3 screw terminals Current consumption 155 mA, DC Degree of protection Installation location: $\geq$ IP54

Enclosure: IP20

Terminals: IP20

IP20 Emitted interference According to EN 61000-6-4 Interference immunity According to EN 61000-6-2 LED indicator

Status indication of SmartWire-DT network: Green LED Lifespan, mechanical 10,000,000 Operations Model Basic device

Mounting method Rail mounting possible

Top-hat rail fixing (according to IEC/EN 6071...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send EATON - MOELLER / ESR5-NV3-300 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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