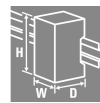
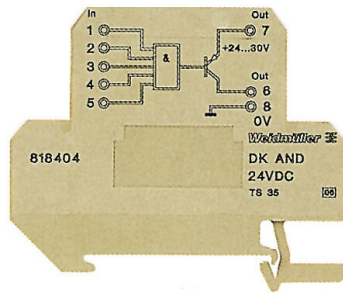


DK AND 35 24VDC
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com


Logic functions AND, NAND, OR and NOR in modular terminal format with a rated cross-section of 4 mm². They each have five inputs which are fed – with logic gating – via a 24 V/20 mA PNP output. The logic components can be used for many applications involving the coupling of digital sensor/actuator signals with automation devices.

General ordering data

Version	Function component, AND gate
Order No.	8184040000
Type	DK AND 35 24VDC
GTIN (EAN)	4008190121938
Qty.	5 items

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	65 mm	Depth (inches)	2.5591 inch
Height	57 mm	Height (inches)	2.2441 inch
Width	12 mm	Width (inches)	0.4724 inch
Length	65 mm	Length (inches)	2.5591 inch
Net weight	22.2 g		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	0 °C...50 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	35d83707-6a3b-45b5-b9f8-6ba8184c863e

Functions

Logic function and

General data

Protection degree	IP20	Supply voltage	24...30 V DC
Current consumption	<5 mA	Mounting rail	TS 35
Power consumption	30 mW	Nominal power consumption	0.03 VA

Insulation coordination

Galvanic isolation Without isolation

Input

Number inputs	5	Rated input level	24 V DC= High, 0 V = Low
Rated voltage	Max. 30 V	Input current	Approx. 1.5 mA per input (24 V)
Pulse duration	≥ 50 µs		

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Technical data

Output

Number of outputs	8-bit (1-bit signed)	Load impedance current	≤ 600 Ω
Output level	PNP, Ub-1.8 V	Switching thresholds	High <15 V, low <9 V
Output current	max. 20 mA		

General data

Open sides	right	Type of connection	Screw connection
Humidity	40 °C / 93 % rel. humidity, no condensation	Input/Output	Logic module
Supply voltage	24...30 V DC	Galvanic isolation	Without isolation
Current consumption	<5 mA	Mounting rail	TS 35
Power consumption	30 mW		

Insulation coordination

Standards	EN 61000-6-2:2005, EN 61000-6-3:2007/ A1:2011, EN 61000-6-4:2007 + A1:2011, CE
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Connection data

Type of connection	Screw connection	Clamping range, rated connection	4 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²

Classifications

ETIM 8.0	EC001417	ETIM 9.0	EC001417
ETIM 10.0	EC001417	ECLASS 14.0	27-24-22-16
ECLASS 15.0	27-24-22-16		

Drawings

